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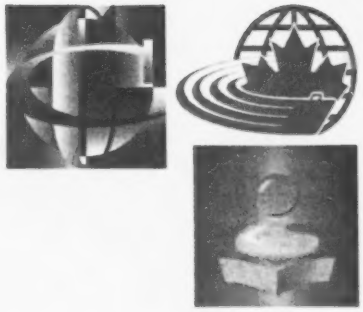
Research Paper

Culture, Tourism and the Centre for Education Statistics

Registered Apprentices: The Cohorts of 1994 and 1995, One Decade Later



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Registered Apprentices: The Cohorts of 1994 and 1995, One Decade Later

Louise Desjardins and Nicole Paquin
Statistics Canada

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Note of appreciation

Canada owes the success of its statistical system to a long-standing partnership between Statistics Canada, the citizens of Canada, its businesses, governments and other institutions. Accurate and timely statistical information could not be produced without their continued cooperation and goodwill.

Acronyms

CCDA	Canadian Council of Directors of Apprenticeship
CCQ	Commission de la construction du Québec
RAIS	Registered Apprenticeship Information System

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Executive summary

This report looks at completion and discontinuation rates of registered apprentices using two longitudinal cohorts created from the Registered Apprenticeship Information System (RAIS). These cohorts comprised registered apprentices who first enrolled in an apprenticeship program in 1994 or in 1995.

The purpose of this study is to provide measures of completion of apprenticeship programs and information on the learning paths of the apprentices tracked over an 11-year period. It follows two other reports published in 2005 and in 2008, which examined the same issues. In those studies, results for three provinces—New Brunswick, Ontario and Alberta — were analyzed for the cohorts of new apprenticeship enrolees in the years 1992 and 1993. The current report includes three new provinces: Quebec, Manitoba and British Columbia.

Overall, approximately half of the individuals newly registered in an apprenticeship program in 1994 and 1995 completed their training at some point over the ensuing 11-year period. As in previous cohorts, the industrial and mechanical trades group consistently had above-average completion rates in each of the six provinces.

Overall, nominal program duration did not seem to influence the completion rate. The proportion of completers of four-year programs was comparable to that for two-year programs and even exceeded the proportion of completers in three-year programs.

Most completers — approximately 60% — took an amount of time equal to or less than 50% beyond the nominal duration of the program to complete it. There appeared to be no explicit link between the completion rate in a trade and exceeding the time required to complete the program.

1. Introduction

The advent of the knowledge economy in Canada, like elsewhere in the world, has profoundly changed our work, production and consumption patterns. The skills and knowledge needed to exercise many trades and professions have evolved quickly due to the rate at which new technologies are implemented. According to the latest Census, more than 2 million Canadians held an apprenticeship or trades certificate or diploma in 2006.

To stay competitive in this knowledge economy, Canada must ensure that its pool of qualified labour meets labour market demand. However, the demographic structure of Canada's population could hinder achieving this target. The aging worker phenomenon seen in most sectors of the Canadian economy is the result of fewer people entering the labour market compared to those leaving it.

The skilled trades are not exempt from this pattern. According to the Labour Force Survey, the average age of tradespersons in Canada rose from 36 to 40 years between 1987 and 2007. Moreover, the ratio of the number of workers aged 25 to 34 at the beginning of their careers, to the number of workers nearing retirement dropped from 2.0 to 1.0 over the period.[1] Therefore, it is important to establish reliable indicators of the performance of apprenticeship programs, completion patterns being one of the most significant.

This is the third in a series of studies on completion and discontinuation patterns over an 11-year period of individuals enrolled in apprenticeship programs in Canada. In the two preceding studies, results for three provinces—New Brunswick, Ontario and Alberta—were analyzed for the cohorts of new apprenticeship enrolees in the years 1992 and 1993.

The purpose of this study is to provide measures of completion of apprenticeship programs and information on the learning paths of the apprentices over time. Completion and discontinuation are discussed in relation to the age of the apprentices, major trade groups, nominal duration of programs, time spent in the program for completers and discontinuers, and whether or not the trade was covered by the Red Seal Interprovincial Standards Program.

This report looks at completion and discontinuation rates using two longitudinal cohorts created from the Registered Apprenticeship Information System (RAIS). These cohorts comprise registered apprentices who first enrolled in an apprenticeship program in 1994 or in 1995. Three new provinces were added to the analysis: Quebec, Manitoba and British Columbia. Only jurisdictions that provided information to RAIS based on individual apprenticeship records over the entire 11-year period were included in the analysis.

The study first looks at the characteristics of those newly registered in an apprenticeship program in 1994 and in 1995. It then analyzes completion rates and the time needed to complete the programs; discontinuation rates and time

spent in a program before leaving the program; and finally, continuation rates at the end of the 11-year study period.

The report is organized as follows: Sections 2 and 3 give an overview of the apprenticeship training system in Canada and describes the data sources used. Section 4 presents the results for all six provinces combined, while Section 5 compares the results for four cohorts of apprentices (1992 to 2002, 1993 to 2003, 1994 to 2004 and 1995 to 2005) for New Brunswick, Ontario and Alberta. Section 6 details the results for the three additional provinces included in the longitudinal analysis — Quebec, Manitoba and British Columbia. The conclusion is presented in Section 7, which is then followed by the appendices.

2. Overview of the apprentice training system in Canada

Apprenticeship training is a well-established, formal method of acquiring skills and gaining knowledge necessary to become a skilled tradesperson. Apprenticeship training combines practical on-the-job training or work experience, which accounts for approximately 80% to 90% of the time spent in an apprenticeship program, with the formal in-school technical training accounting for the remaining 10% to 20%. The nominal duration of most apprenticeship programs varies between two and five years.

In-class technical training varies from 4 to 12 weeks depending on the province and may be provided in full-time blocks, modular part-time evening or weekend courses, or other. In Quebec, the arrangement is different: apprentices must complete all of their in-class technical training before they begin on-the-job training.

Persons interested in beginning apprenticeship training must first meet various basic requirements, which vary across trades and jurisdictions, such as high school completion or have an equivalent combination of work and education. The potential apprentice must also find an employer who is willing to provide him or her with the required on-the-job training. This employer must have employees who are journeypersons and able to train and coach the apprentice. The apprenticeship contract signed by the two parties is registered with the provincial or territorial authorities who are responsible for regulating and administering apprenticeship programs and certifying tradespeople. Industry plays an important role in the delivery and shaping of apprenticeship training across the country. Learning institutions, unions and private trainers deliver in-school technical training to apprentices, an essential part of apprenticeship systems.

At the end of the training period, the apprentice must write an examination. Success in the examination entitles the apprentice to the designation of journeyperson and is accompanied by a certificate of apprenticeship and a certificate of qualification. Individuals who have not completed an apprenticeship program but who have amassed sufficient practical work experience in a trade to meet the established criteria can also attempt the certification examination as 'trade qualifiers'. If successful in the examination, these individuals also receive a certificate of qualification and the designation of 'journeyperson."

There are currently over 200 apprenticeable trades in Canada. Since the provinces and territories administer their own policies on training and professional recognition, they are able to designate the trades that are covered by an apprenticeship program according to their respective labour market needs. Provincially, apprenticeship trades and registration levels are influenced by different factors such as: industrial mix, employer reliance on apprenticeship training, economic conditions as well as provincial apprenticeship regulations.

To facilitate the inter-jurisdictional mobility of tradespeople, the Government of Canada in partnership with the Canadian Council of Directors of Apprenticeship (CCDA) which includes representatives from each province and territory, administers the Red Seal Interprovincial Standards Program. The program currently covers 50 trades. It enables a tradesperson who has met the national standard in a Red Seal trade to work in any of the provinces and territories that recognize the trade covered by the standards, without having to write a new examination. Upon completion of their training, apprentices who have become certified journeypersons are able to obtain a Red Seal endorsement by successfully completing an interprovincial Red Seal examination. A trade may be covered by the Red Seal Program without being recognized as such by all provinces and territories, however. In 1994 and 1995, 43 trades were covered by the Red Seal Interprovincial Standards Program. Box 1 shows the number of Red Seal trades for each of the six provinces included in the study.

In addition to the Red Seal Interprovincial Standards Program, which applies specifically to the trades, the provinces, territories and the federal government established the Agreement on Internal Trade in 1995. The purpose of this agreement is to help reduce or remove interprovincial barriers to labour mobility in the Canadian economy more generally.[2,3]

Box 1

Number of Red Seal-designated trades by province in 1994 and 1995

New Brunswick	43
Quebec	28
Ontario	40
Manitoba	37
Alberta	41
British Columbia	43

3. Data source and Definitions

The Registered Apprenticeship Information System (RAIS)

The Registered Apprenticeship Information System (RAIS) collects information on registered apprentices in each of Canada's provinces and territories for a given year. This information is provided by the provincial and territorial departments responsible for apprenticeship training and is derived from administrative files.

The RAIS collects information on individuals who receive training and those who obtain certification within a trade where apprenticeship training is offered. The survey, which covers all apprenticeship training whether compulsory or voluntary, collects data on the number of registered apprentices taking in-class or on-the-job training in all trades, Red Seal or otherwise.

In 1991, the RAIS began collecting information at the individual level as well as aggregate data, as this practice became common among the largest provinces, which by that time were capturing data on individuals. Subsequently, most of the other provinces and territories also began providing data at an individual level.

Creation of longitudinal databases

Two longitudinal cohorts were created for this study by linking the annual RAIS data using unique provincial identifiers associated with individual records for the periods 1994 to 2004 and 1995 to 2005.

Six provinces are included in the study: New Brunswick, Quebec, Ontario, Manitoba, Alberta and British Columbia. The other provinces were excluded because they could not provide data at the individual level for all the years included in these two time periods.

Data on Quebec apprentices collected by the RAIS came from two sources: the Commission de la construction du Québec (CCQ) and Emploi-Québec. Data provided by Emploi-Québec were retained only for industrial electricians since this was the only trade for which information was available at the individual level. This resulted in an undercoverage of Quebec's apprentices. It is estimated that the missing apprentices from Emploi-Québec account for approximately 16% of the 1994 cohort and roughly 13% of the 1995 cohort in that province. All data provided by the Commission de la construction du Québec (CCQ) were retained. Finally, RAIS has no information on Quebec apprentices in the automotive sector and an estimate of the resulting undercoverage is not available.[4]

Study population

Only apprentices who began a new apprenticeship program in 1994 or 1995 are included in the study population, regardless of whether this program represents their first trade. Records were excluded from the study population when:

- the apprentice was already registered at the start of the reference period (i.e., not newly registered);
- the apprentice was recorded as having completed in the starting year (1994 or 1995) a program for which the nominal duration was two years or more;
- the same information on an apprentice appeared more than once, and the apprentice's status was other than "new registration."

In 1994 and 1995, apprentices were registered in approximately 150 trades. In light of the great number of trades being studied and sometimes in order to meet confidentiality requirements, apprenticeship programs were grouped into seven major trade groups,[5] as follows:

Building construction;

Electrical, electronics and related;

Food and service;

Industrial and mechanical;

Metal fabricating;

Motor vehicle and heavy equipment;

Other trades.[6]

Box 2

Longitudinal consistency

Since the Registered Apprentice Information System is an annual survey, several adjustments were made to the data to improve the longitudinal consistency of the information. The editing stage consisted of identifying erroneous or inconsistent values in the longitudinal databases and making the necessary changes.

1. Duplicate records were identified and deleted, including:
   - records indicating a discontinuation of the same trade in two or more consecutive years;

     and

   - records indicating that a completer was continuing in the same trade the following year or was completing in the same trade a second time.

   This resulted in the removal of about 3% of records in each cohort.
2. A method was adopted to identify and eliminate values that were most likely to be erroneous. For example, the status of the apprentice at the start of the period was recoded to "Reinstatement" in the case of discontinuers or apprentices whose training had been suspended the previous year and who had been identified as continuing in the same trade at the start of the period.
3. The third type of error correction consisted of distinguishing real changes of trade from those resulting from changes made to the trade code structure in a given province.

Box 3

Definitions

Cohort: Linking of annual individual data on apprentices over an 11-year period. A cohort is defined for a province and is followed only within the boundaries of the province of registration, since the unique apprentice identifier in the database is exclusive to each province.

In this report, a registered apprentice has only one status.

- **A continuer** is an apprentice who was still registered in an apprenticeship program at the end of the 11-year period.
- **A discontinuer** is an apprentice who left the program before completion.
- **A completer** is someone who completed an apprenticeship program within the 11-year period, whether or not he/she interrupted the training during the period. In Registered Apprenticeship Information System (RAIS) terms, this means that the individual has received a certificate of qualification at the end of the apprenticeship program.

Age of apprentice: this is the apprentice's age on registering in the apprenticeship program, in this case in either 1994 or 1995.

Nominal duration of program: the expected amount of time needed to complete the program.

Journeyperson: a person who has acquired the skills and knowledge needed to practice a trade as attested by a provincial or territorial authority.

Main trade displayed in the tables: this is the trade in which the apprentice registered at the start of the 11-year period, in 1994 or 1995. Trades with less than 25 new registrants in a given province were grouped into the "Other" category within each of the 7 major trade groups. Trades included in the "Other" category may vary from province to province.

4. Main findings on the set of six provinces analyzed

This section provides an overall profile of the 1994 to 2004 and 1995 to 2005 apprenticeship cohorts for the six provinces, including registrations by province, median age at registration, trade groups and completion rates

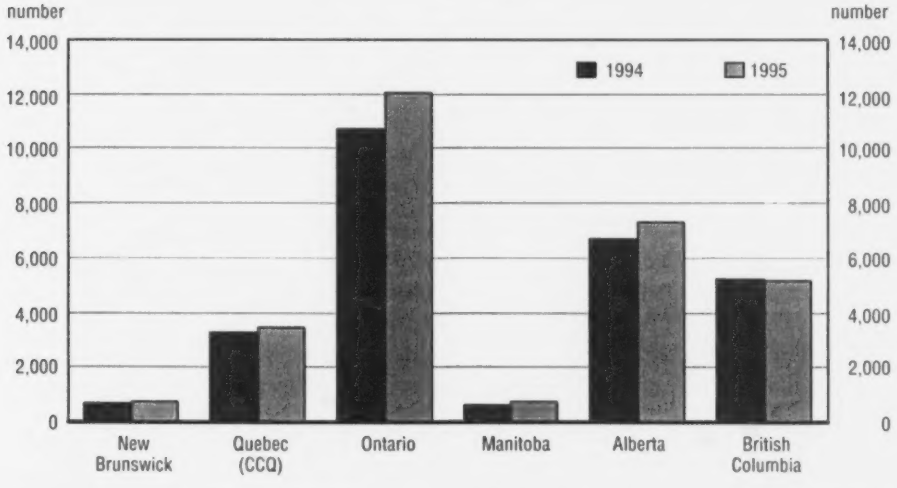
4.1 Characteristics of newly registered apprentices in 1994 and 1995

In 1994, 27,274 persons began a new apprenticeship program in the six provinces, compared to 29,501 in 1995, representing an increase of 8% between these two years.

Approximately two-thirds of the new apprentices were registered in Ontario (39% and 41% in 1994 and 1995, respectively) and Alberta (25%, both years). Next came British Columbia (19% and 18%), followed by the apprentices counted by the Commission de la construction du Québec (12%). In Ontario, Manitoba and New Brunswick, the percentage of new registrations was proportional to the population of those provinces. In contrast, Alberta registered one-quarter of new apprentices, whereas it accounted for only 10% of the population in the six provinces (Chart 1)[7].

Chart 1

Number of new apprentices by province, 1994 and 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

Overall, the major trade group that contributed the most to the increase in new registrations between the two cohorts was the industrial and mechanical group, with an increase of 20%, owing to the large number of new registrations in Ontario. Conversely, the electrical, electronics and related trades group (2%) and the building construction group (3%) recorded the smallest increases (Appendix tables A.1.1.1 and A.2.1.1).

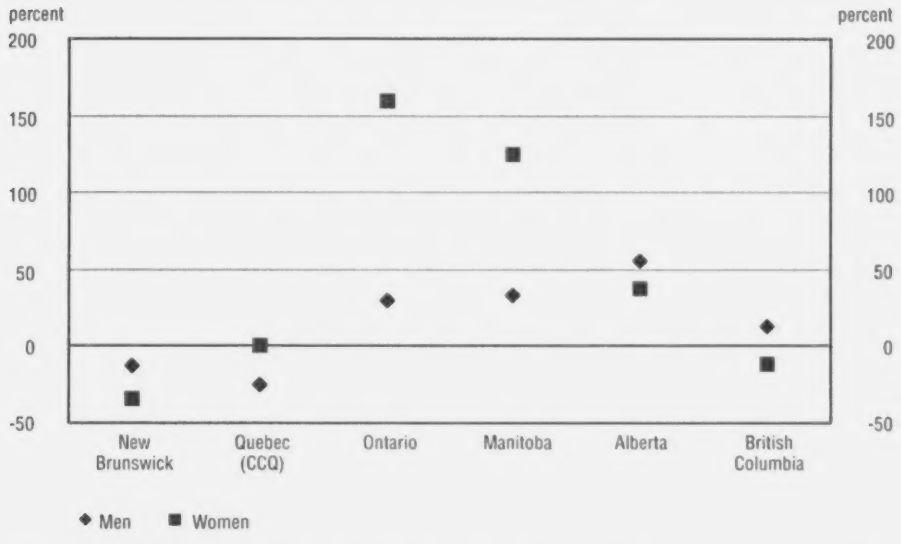
Nearly nine out of ten new apprentices were men

Despite efforts to recruit more women in the trades, apprenticeship programs continued to be male-dominated.[8] Women accounted for only 12% and 11% of new apprentices in 1994 and 1995, respectively. The food and service trade group was the only major group in which women outnumbered men among new apprentices, at 60% and 56% respectively, for 1994 and 1995 (Appendix tables A.1.1.1 and A.2.1.1). This is largely due to the number of newly registered apprentices in the hairstylist trade. The only other group with a sizable proportion of women was "other trades" at 18% and 25%, in 1994 and 1995, respectively. In the other five major trade groups, more than nine out of ten new apprentices were men.

Between 1992 and 1995, Ontario and Manitoba saw an increase in the share of women among new apprentices, while this share remained at the same level in Quebec (CCQ) (Chart 2).

Chart 2

Change over time in new registrations of male and female apprentices, 1992 to 1995



Source: Statistics Canada, Registered Apprenticeship Information System.

The oldest new apprentices were in the industrial and mechanical group

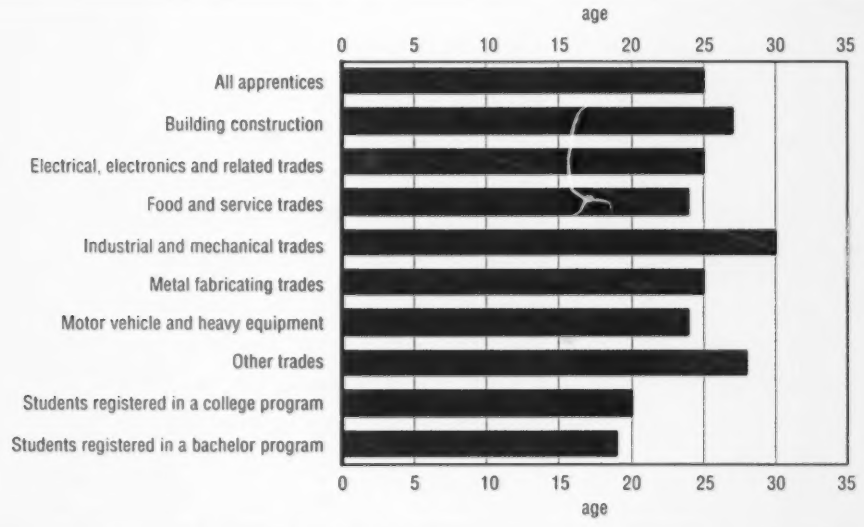
The median age of new apprentices in each of the two cohorts was 25 years, meaning that half of them were over the age of 25 and half were less than 25 when they registered in their apprenticeship program. The industrial and mechanical group and the "other trades" group posted the highest median ages in 1994 and 1995, with the former at ages 30 and 29 and the second at age 28. Food and service and motor vehicle and heavy equipment were the two major groups with the lowest median age (24 years) in both cohorts (Chart 3).

When the two cohorts are compared to students who began a college or university program in 1994 and 1995, a major difference is observed. The median age of students newly registered in a bachelor's program was only 19, and it was only 20 for students registered in a college program.[9] Moreover, in those institutions, the highest concentration of registrations was in the 15 to 19 age group, which accounted for 44% of newly registered college students and 71% of students in bachelor's programs.

In part, this age difference may be explained by the structure and functioning of apprenticeship training programs. Traditionally, the clientele of apprenticeship programs consists primarily of persons coming back into the education system after a few years in the labour force.[10] According to the National Apprenticeship Survey (NAS) conducted in 2007, three apprentices out of five already had practical experience in the trade when they registered in an apprenticeship program.[11]

Chart 3

Median age at registration of new 1994 and 1995 registered apprentices



Note: The median age for all provinces is the same for both cohorts.

Sources: Statistics Canada, Registered Apprenticeship Information System and National Graduates Survey (Class of 2000).

Overall, little variation was observed between the two cohorts in the distribution of apprentices by age group. For all trades combined, over one-third (37% in 1994 and 35% in 1995) of newly registered apprentices were in the 20 to 24 age group, approximately one-third (31% and 33%) were age 30 and over and one apprentice out of ten was less than 20 years old.

The industrial and mechanical group had the largest proportion of apprentices aged 30 and over: 53% and 48% in 1994 and 1995, respectively. In 1994, the specific trades contributing to this sizable proportion were the sawfiler trade, in which more than nine apprentices out of ten were age 30 and over, and the industrial mechanic-millwright trade, in which more than 60% of apprentices were age 30 and over. Among new registrants in 1995, most of those in the industrial plant operator trade (69%) and the sawfiler trade (73%) were in this age group.

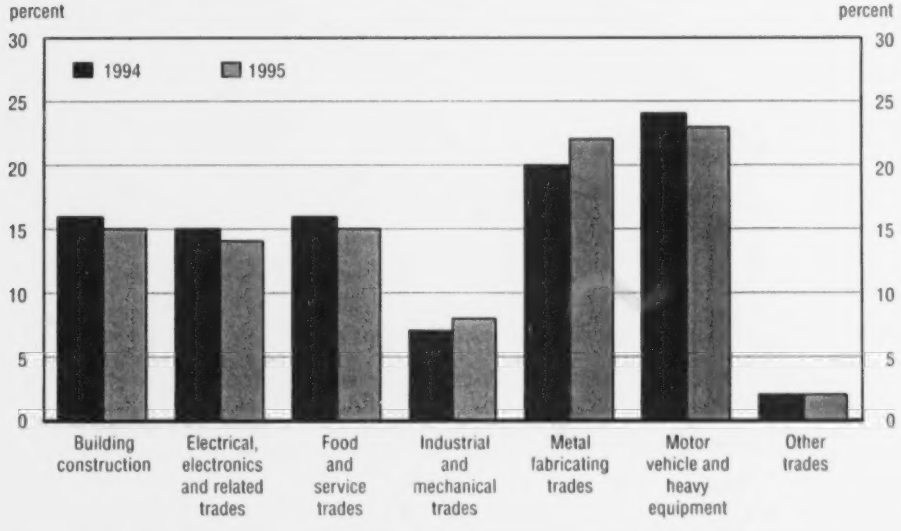
Conversely, the motor vehicle and heavy equipment group (26% and 27%, in 1994 and 1995, respectively) and the food and service group (27% in both years) had the fewest newly registered apprentices aged 30 and over (Appendix tables A.1.1.2 and A.2.1.2).

The motor vehicle and heavy equipment group and the metal fabricating group accounted for the highest proportions of new apprentices

Across the six provinces in 1994 and 1995, two new apprentices out of five were registered in either the motor vehicle and heavy equipment group (24% and 23%) or the metal fabricating group (20% and 22%). Moreover, the motor vehicle group had the highest proportions of new registrations in three of the six provinces. In contrast, the trade groups that received the fewest new apprentices were industrial and mechanical trades (7% and 8%) and "other trades" (2%).

Chart 4

Distribution of new apprentices by major trade group, 1994 and 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

Two of the trades with the highest proportions of new registrations across the six provinces in both cohorts were automotive service technician and construction electrician. Apart from these two trades, and depending on the province, some additional trades also accounted for sizeable proportions of new apprentices. In Ontario, large numbers of new apprentices also registered in the hairdresser / hairstylist and cook trades. About one quarter of new apprentices in Alberta registered in two trades: hairstylist (10%, both cohorts) and welder (13% and 15%, 1994 and 1995 cohort respectively). In Manitoba, the heavy-duty equipment mechanic technician trade and the construction electrician trade each accounted for about 16% of new registrations in 1995. In New Brunswick and British Columbia, another trade with a large number of new registrations was the carpenter trade. In Quebec (CCQ), numerous registrations involved the industrial electrician and steamfitter-pipefitter trades (Table 1).

Table 1

Trades with the highest proportions of new registrations, 1994 and 1995 cohorts

Automotive service technician	All provinces except Quebec (CCQ)
Construction electrician	All provinces
Carpenter	New Brunswick, Quebec (CCQ), British Columbia
Cook	New Brunswick, Ontario
Hairdresser / hairstylist	Ontario, Alberta
Heavy duty equipment mechanic technician	Manitoba, Alberta
Industrial electrician	Quebec (CCQ)
Plumber	British Columbia
Steamfitter-pipefitter	Quebec (CCQ)
Welder	Alberta

Source: Statistics Canada, Registered Apprenticeship Information System.

Few apprentices already had a previous certificate when they registered

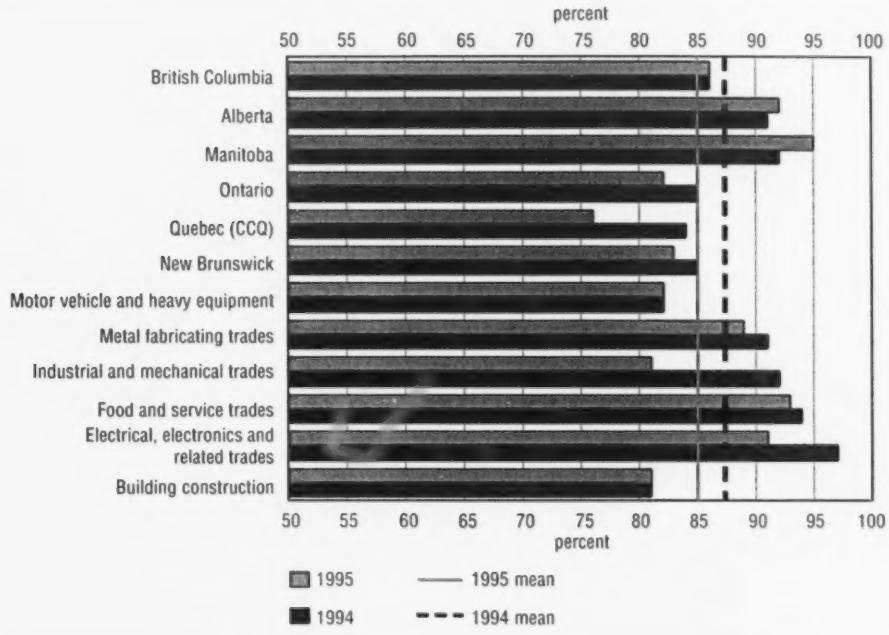
Very few apprentices in the two cohorts (6%) had a certificate of qualification when they registered for their training program in 1994 and 1995. Those who had such a certificate were almost exclusively men, the vast majority of whom were 30 years of age and over (79% and 82%). The industrial and mechanical trades accounted for the highest proportion of new apprentices with a previous certificate, at 14% and 10% (Appendix tables A.1.1.4, A.1.1.5, A.2.1.4 and A.2.1.5).

The majority were in a Red Seal-designated trade

More than eight new apprentices out of ten were registered in a Red Seal designated trade[12] (87% in 1994 and 85% in 1995). In 1994, the major trade group registering the largest proportion of new apprentices was electrical, electronics and related trades (97%), followed by food and service trades (94%), industrial and mechanical trades (92%), and the metal fabricating trades (91%). In 1995, the food and services group (93%) surpassed the electrical, electronics and related trades group (91%), when the latter recorded a decrease of six percentage points, due to a decrease in the number of new registrations in the industrial electrician trade (Red Seal) and an increase in the number of registrations in the security alarms installer trade (non-Red Seal). Manitoba (92% and 95%) and Alberta (91% and 92%) posted substantially higher rates of new registrations in Red Seal trades than the overall rate for the six provinces (Chart 5).

Chart 5

Apprentices registered in a Red Seal designed trade, 1994 and 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

4.2 Completers

Overall, completion, discontinuation and continuation rates for the two cohorts were practically identical (Table 2). In all provinces except Quebec (CCQ) and Ontario (1994 cohort for the latter), more than half the apprentices had completed their training program 11 years after registering. The vast majority of completers (93%) had never interrupted their training, and moreover, 96% (1994 cohort) and 95% (1995 cohort) had completed the program in which they were registered at the start of the 11-year period (Appendix tables A.1.2.1, A.1.2.3, A.2.2.1 and A.2.2.3).

Just over 40% of new apprentices never completed a program and some 8% were still registered at the end of the 11-year period, having neither completed nor discontinued a program (Table 2).

Table 2
Proportion of completers, discontinuers and continuers, 1994 and 1995 cohorts

	Completers		Discontinuers who never completed		Continuers after 11 years who never completed nor discontinued	
	1994	1995	1994	1995	1994	1995
	percent		percent		percent	
All provinces	**49**	**51**	**43**	**42**	**8**	**8**
New Brunswick	51	55	47	42	3	3
Quebec (CCQ)	22	30	62	62	16	8
Ontario	49	51	38	35	12	14
Manitoba	64	61	34	35	2	4
Alberta	59	56	39	41	2	3
British Columbia	53	54	46	46	1	0

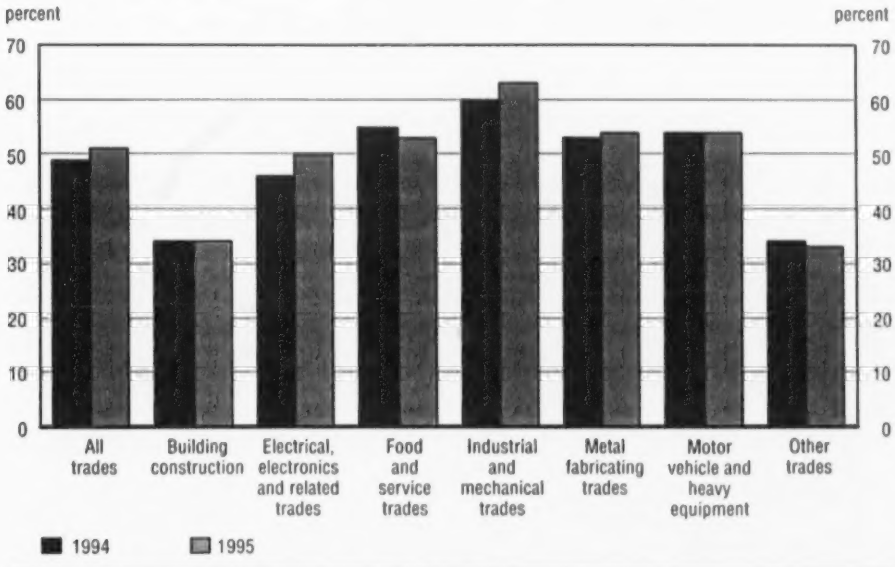
Source: Statistics Canada, Registered Apprenticeship Information System.

Completion rates in Manitoba and Alberta were higher than the overall rate

A glance at the figures for all six provinces shows that provincial completion rates varied little between the two cohorts. Also, completion rates in two provinces substantially exceeded the overall rate — Manitoba by 15 and 10 percentage points and Alberta by 10 and 5 percentage points, for the 1994 and 1995 cohorts respectively. In Quebec (CCQ), while completion rates were lower than those in the other provinces, they were similar to those of apprentices in the building construction group in the other provinces, especially for the 1995 cohort (Appendix tables A.1.2.2 and A.2.2.2). The building construction and "other trades" groups were the only trades that posted completion rates that were significantly below the average for the two cohorts as a whole (Chart 6).

Chart 6

Completion rates by major trade group, 1994 and 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

Also, a few groups registered significant increases in the number of completers in some provinces. In New Brunswick, completion in the motor vehicle and heavy equipment group increased by 10 percentage points between 1994 and 1995. In Quebec (CCQ), the rate for the metal fabricating group almost doubled, going from 15% to 29% (Appendix tables A.1.2.2 and A.2.2.2).

Three major groups showed completion rates that were among the highest across all six provinces. The industrial and mechanical trades group ranked a solid first in at least four of the six provinces, with completion rates ranging between 47% and 82% for the 1994 cohort and between 53% and 89% for the 1995 cohort. The electrical, electronics and related trades group (58% to 77% and 59% to 70%) was close behind in two provinces. Conversely, the building construction group posted the lowest rate in four provinces, generally at least 14 percentage points lower than the overall rate for the corresponding province.

Completion rates were similar for most of the trades in both cohorts

To compare the completion rates in specific trades for the apprentices in the two cohorts, we selected trades which, in 1995, had at least 500 new registrants. These trades, 15 in all and representing about 70% of all apprentices, are shown in Table 3 in descending order of completion rates for the 1995 cohort.

Only two trades stood out for showing a substantial difference between the cohorts, with the vast majority having comparable completion rates. For steamfitters-pipefitters, the completion rate increased by 11 percentage points between the 1994 and 1995 cohorts and for industrial electricians, by 7 percentage points. In addition, the completion rates for these two trades ranked among the lowest for both cohorts, at 27% and 38% and at 16% and 23% respectively. These findings may be explained by the modest number of completers in these trades in Quebec; there, the rates ranged between 9% and 22%, despite the fact that Quebec received by far the greatest number of new apprentices in those trades (Appendix tables A.1.2.2 and A.2.2.2). In fact, 83% of the new industrial electricians in the 1994 cohort and 71% of those in the 1995 cohort were registered in Quebec. Quebec also received six out of ten new steamfitters-pipefitters in 1994 and more than half in 1995.

The carpenter trade also had a low completion rate (approximately 35%), but in this case, Ontario (17% and 23%) and New Brunswick (28%) recorded the lowest rates for this trade.[13] On the other hand, of the 15 trades selected, 10 posted completion rates exceeding the average rates (49% for the 1994 cohort and 51% for the 1995 cohort).

Table 3

Completion rates for specific trades, 1994 and 1995 cohorts

Trade	1994	1995
	percent	
Hairdresser / hairstylist	66	66
Refrigeration and air conditioning mechanic	63	67
Heavy duty equipment mechanic technician	64	66
Industrial mechanic-millwright	61	63
Construction electrician	59	62
Welder	64	62
Automotive service technician	59	59
Plumber	60	58
Machinist	56	56
Sheet metal worker	53	54
Motor vehicle body repairer	42	41
Steamfitter-pipefitter	27	38
Cook	38	37
Carpenter	35	34
Industrial electrician	16	23
All trades	**49**	**51**

Note: Data are listed in descending order of results for the 1995 cohort.
Source: Statistics Canada, Registered Apprenticeship Information System.

Fewer completers among older apprentices

Apprentices age 40 and over at the time of registering in their program were less likely to complete their training than apprentices aged 15 to 19. The latter completed their training in proportions of 55% and 59%, while the proportions for completers age 40 and over were 20 percentage points lower at 34% and 36% for the two cohorts, respectively. Apart from Manitoba and British Columbia where the completion rates for these two age groups were comparable, the other provinces

recorded gaps in completion rates of at least 14 percentage points between apprentices under 20 years of age at the time of registration and those who were aged 40 or more.

Among completers in the 1994 cohort, approximately 40% were between 20 and 24 years old when they registered, with the proportions in the provinces ranging between 37% and 48%. Regarding the 1995 cohort, 38% of the completers were aged 20 to 24 when they registered, with this proportion ranging between 36% and 45% in the different provinces. (Appendix tables A.1.2.3, A.1.2.5, A.2.2.3 and A.2.2.5).

Most apprentices were registered in programs with a nominal duration of 4 years

Overall, approximately three new apprentices out of five (60% and 56%) were registered in four-year programs. Three-year programs accounted for 20% and 24% of new apprentices, and two-year programs, 15%. Very few apprentices (1% to 4%) were registered in programs of one year or five years duration (Table 4). Depending on the province, examples of 1-year programs were assistant cook, mobile crane operator and power shovel operator, and some 5-year programs were construction electrician, industrial electrician, industrial mechanic-millwright and plumber.

Table 4
Registrations by program duration, 1994 and 1995 cohorts

Program duration	1994	1995
	percent	
1 year	3	4
2 years	15	15
3 years	20	24
4 years	60	56
5 years	1	1

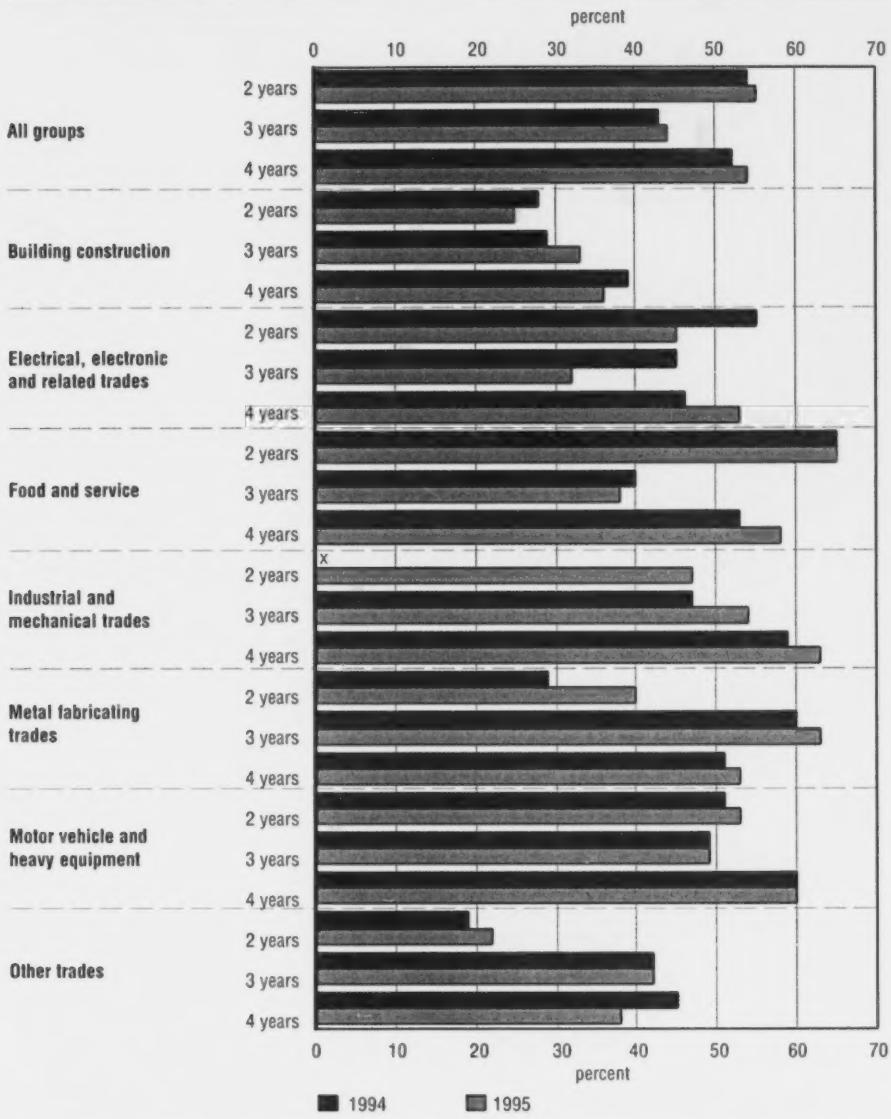
Note: The columns percentage may not sum up to 100% due to rounding.
Source: Statistics Canada, Registered Apprenticeship Information System.

Program duration did not seem to influence completion

Overall, nominal program duration did not seem to influence the completion rate. The proportion of completers of four-year programs was comparable to that for two-year programs and even exceeded the proportion of completers in three-year programs. Apprentices in four-year programs in building construction, industrial and mechanical, motor vehicle and heavy equipment and "other trades" were at least as likely to complete their training as apprentices in programs of shorter duration (see Chart 7).

Chart 7

Percentage of completers by nominal program duration in number of years and major trade group, 1994 and 1995 cohorts



x suppressed to meet the confidentiality requirements of the *Statistics Act*

Notes: Given the small number of apprentices registered in one-year and five-year programs, comparisons with programs of two, three and four years in duration are not advisable; therefore one and five-year programs are not included in the chart.

Source: Statistics Canada, Registered Apprenticeship Information System.

Almost four out of ten completers took more time than the nominal duration to finish their program

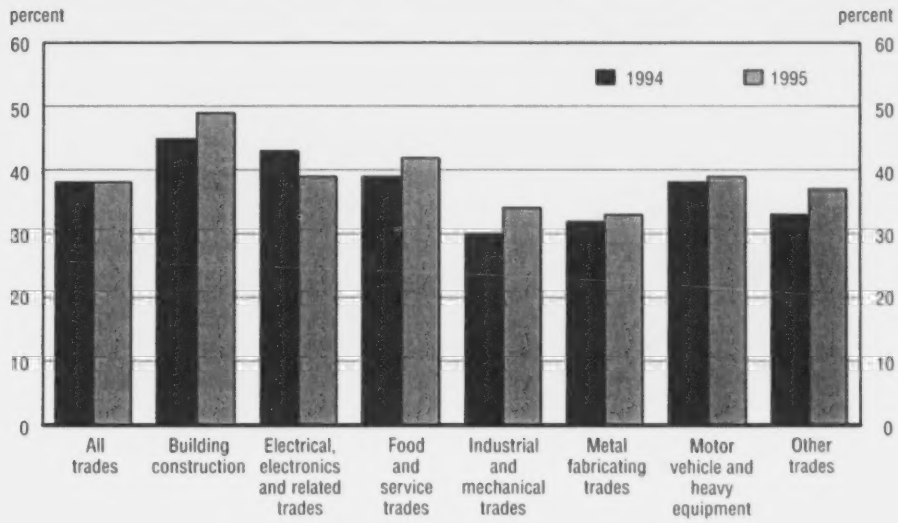
For both cohorts, almost 40% of completers took one and a half times (or 50% or more) the nominal duration of the program to complete. British Columbia

(26% and 27%) and Manitoba (26% and 23%) had the lowest proportions of completion beyond the prescribed time. It is interesting to note that apprentices who were older upon registration were much less likely than young apprentices to prolong their training, though they did have a lower completion rate. Indeed, about one third of completers in both cohorts who were age 40 and over at registration (35%) took at least one and a half times the nominal program duration to complete, compared to 46% and 49% of apprentices under 20 years of age. This situation prevailed for both cohorts in all provinces, where the gap ranged from 7 to 30 percentage points, except in the case of Quebec (CCQ) for the 1994 cohort and British Columbia for the 1995 cohort. These results might be explained by the fact that older apprentices may already have had prior trade-related training or work experience for which they were given credit.

For the 1994 cohort, completers in building construction (45%) and electrical, electronics and related trades (43%) were more likely to exceed the expected duration of their program by 50% or more (Chart 8). The electrical, electronics and related trades group had the largest proportions of any major group in Manitoba (36%) and Alberta (45%). The building construction group posted the highest percentages in relation to the other groups in New Brunswick (60%) and Quebec (CCQ) (92%). For the 1995 cohort, the building construction group again had the largest proportions of completers who had prolonged their apprenticeship (at 49% across the six provinces), notably in New Brunswick (71%), Quebec (CCQ) (89%) and Ontario (50%). Next came completers in the food and service trades (42%), leading other groups in Alberta (44%) and British Columbia (32%) (Appendix tables A.1.2.4 and A.2.2.4).

Chart 8

Proportion of completers who took 50% or more time beyond nominal duration to complete the program, 1994 and 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

At a more detailed trade level, motor vehicle body repairers (47% and 48%), hairdressers / hairstylists (45% and 48%), steamfitters-pipefitters (41% and 46%) and construction electricians (47% and 42%) in the 1994 and 1995 cohorts respectively, showed the highest proportions of completers who had prolonged their training. Conversely, more than three-quarters of machinists (81% and 79%) and cooks (77% and 76%) had completed their training within the prescribed duration of the program or had taken less than 50% more time beyond the nominal duration (Table 5).

Table 5

Proportion of completers who took a time of 50% or more beyond nominal duration to complete the program, specific trades, 1994 and 1995 cohorts

	1994	1995	Program duration
Trade	percent		years
Motor vehicle body repairer	47	48	3 to 4
Hairdresser / hairstylist	45	48	2
Steamfitter-pipefitter	41	46	4
Carpenter	39	44	3 to 4
Construction electrician	47	42	4
Refrigeration and air conditioning mechanic	37	38	4 to 5
Sheet metal worker	51	37	3 to 4
Welder	33	33	3
Plumber	31	31	4
Automotive service technician	30	28	4
Industrial mechanic-millwright	21	26	4
Heavy duty equipment mechanic technician	29	25	4
Cook	23	24	3
Machinist	19	21	4
Industrial electrician	34	16	4
All trades	**38**	**38**	...

... not applicable

Note: Data are listed in descending order of results for the 1995 cohort.

Source: Statistics Canada, Registered Apprenticeship Information System.

There does not appear to be any relationship between completion rates and the fact that apprentices exceeded the nominal duration of program by 50% or more time. For example, almost half of the completers in the hairdresser / hairstylist program exceeded the nominal duration by at least 50%, i.e. they took three years rather than two to complete their program despite having one of the highest completion rates. On the other hand, cooks and industrial electricians in the 1995 cohort, for example, showed a high proportion of apprentices who had completed within the expected program duration or in less time than 50% beyond the nominal duration despite having completion rates that were among the lowest (37% and 23%). In other words, a smaller proportion of apprentices in these two trades completed their program, but those who did, completed it within the expected period. These observations also apply to the 1994 cohort.

Completers took a median time of five years to finish their training

The median time that apprentices in the two cohorts needed to complete their program was five years. This is true in almost all provinces, as well as in all major trade groups except food and service trades and "other trades," which tend to consist of shorter programs and for which the median time to completion was three and four years respectively (Appendices tables A.1.2.2 and A.2.2.2).

When the nominal duration of programs is compared to the median amount of time needed by completers, it becomes clear that in the majority of cases, the median duration exceeded the nominal duration by only one year (Table 6). However, a few exceptions may be noted, especially regarding two-year programs for the 1995 cohort. Apprentices in all two-year programs except those in the electrical, electronics and related trades and the food and service groups completed their program two years beyond the nominal duration. In the case of three-year programs, only the apprentices in two trade groups prolonged their apprenticeship, namely those in the industrial and mechanical trades group in the 1994 cohort and those in the building construction group in the 1995 cohort.

Table 6

Median duration of training for completers by nominal duration of program and major trade group, 1994 and 1995 cohorts

	Nominal duration of program					
	2 years		3 years		4 years	
	1994	1995	1994	1995	1994	1995
	Median number of years for completers					
All groups	**3**	**3**	**4**	**4**	**5**	**5**
Building construction	3	4	4	5	5	5
Electrical, electronics and related trades	2	3	4	4	5	5
Food and service trades	2	2	4	4	4	4
Industrial and mechanical trades	x	4	5	4	5	5
Metal fabricating trades	3	4	4	4	5	5
Motor vehicle and heavy equipment	3	4	4	4	5	5

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: Given the small number of apprentices registered in one-year and five-year programs, comparisons with programs of two, three and four years in duration are not advisable; therefore, one and five-year programs are not included in the chart.

Source: Statistics Canada, Registered Apprenticeship Information System.

Apprentices with prior certification at registration were less likely to complete their programs

Some differences are apparent when apprentices who had a certificate before starting an apprenticeship program were compared to those without a certificate. Some 43% of apprentices with a previous certificate in 1994 had completed their program eleven years after registration, whereas for apprentices in the 1995 cohort, 39% were completers. These rates are 7 and 12 percentage points lower than for apprentices without a certificate in most of the major trades groups.[14]

Rates of completion were higher for Red Seal trades than for non-Red Seal trades

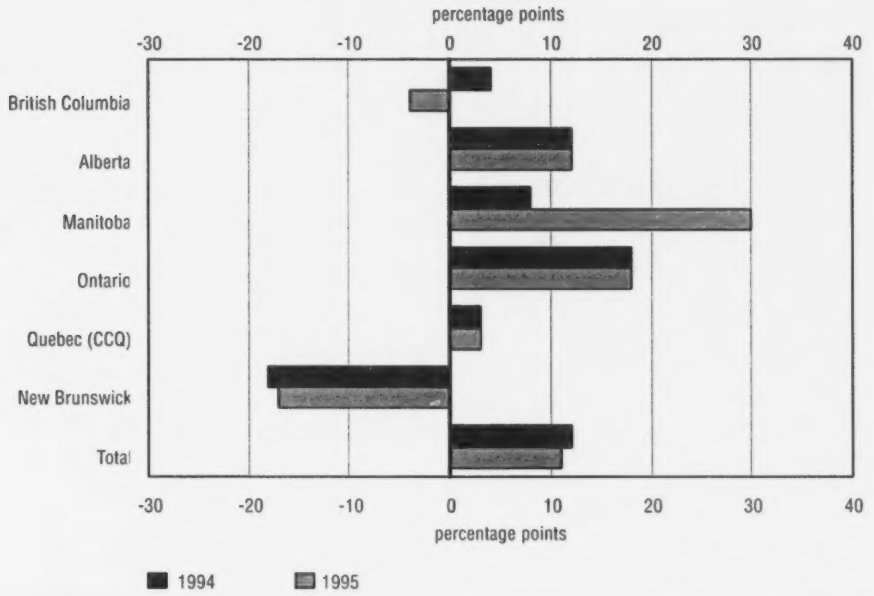
Between 1994 and 2000, the number of Red Seal endorsements awarded to apprenticeship completers rose 41%, increasing from 7,091 to 9,994.[15] In 1994 and 1995, 43 trades were Red Seal-designated.

Major differences are observed when comparing the proportions of completers in Red Seal trades to the proportion of completers in non-Red Seal trades: the completion rate for Red Seal trades in both cohorts was 12 percentage points higher than the rate for the non-Red Seal trades.

For the 1994 cohort, Ontario recorded the largest gap between the two groups (18 percentage points), while for the 1995 cohort, the difference between the two groups was 30 percentage points in Manitoba. In contrast, in New Brunswick, the proportion of completers in non-Red Seal trades exceeded the proportion in Red Seal trades by at least 15 percentage points for both cohorts, that is, 66% compared to 48% for the 1994 cohort and 69% compared to 52% for the 1995 cohort (Chart 9). This result is likely due, in New Brunswick, to the absence or low number of registered apprentices in some Red Seal trades that posted high completion rates in the other provinces. These include trades such as hairdresser / hairstylist, refrigeration and air conditioning mechanic and heavy duty equipment mechanic technician (Appendix tables A.1.2.8, A.1.2.10, A.2.2.8 and A.2.2.10).

Chart 9

Difference in completion rates (expressed as percentage points) between Red Seal trades and non-Red Seal trades by province, 1994 and 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

Completion rates in Red Seal trades were highest in the industrial and mechanical trades group (59% and 63%, 1994 and 1995 cohorts respectively) and the motor vehicle and heavy equipment group (58% for both cohorts). The high completion rates for refrigeration and air conditioning mechanic (63% and 67%), industrial mechanic-millwright (61% and 63%), heavy duty equipment mechanics technicians (64% and 66%) and automotive service technicians (59%, both cohorts) contributed to these results (Table 7).

Table 7

Completion rates for Red Seal and non Red Seal trades, 1994 and 1995 cohorts

	1994	1995
	percent	
All Red Seal designated trades	**51**	**52**
Automotive service technician	59	59
Construction electrician	59	62
Hairdresser / hairstylist	66	66
Heavy duty equipment mechanic technician	64	66
Industrial mechanic-millwright	61	63
Machinist	56	56
Plumber	60	58
Refrigeration and air conditioning mechanic	63	67
Sheet metal worker	53	54
Welder	64	62
All non Red Seal trades	**39**	**40**
Building service technician	42	40
Crane and hoist operator	23	25
Heavy duty equipment operator	31	31
Industrial plant operator	...	62
Landscape gardener	30	20
Motor vehicle steering, suspension and brakes mechanic	34	51
Moulder and engraver	54	53
Plasterer	19	19
Power shovel operator	41	33
Security alarms installer	...	36

... not applicable

Notes : Trades are listed in alphabetical order.

To compare completion rates between trades, only those with at least 100 apprentices are listed in this table.

Source: Statistics Canada, Registered Apprenticeship Information System.

The standardization of training programs, training outcomes, examinations and the awarding of certificates as well as closer matches between the skills of apprentices and the needs of the labour market in Red Seal designed trades may contribute to higher completion rates. Also, an additional incentive to complete the program in a Red Seal trade is the ability to work anywhere in Canada, not just in the province where the apprenticeship was completed. These factors might explain the differences observed in completion rates.

4.3 Discontinuers

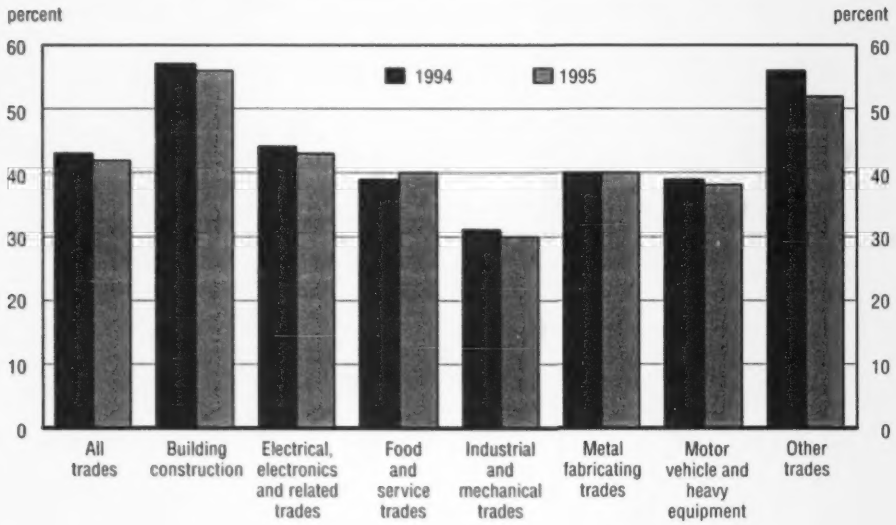
Two out of five apprentices left their training program before completion

About 40% of apprentices in both cohorts had definitively interrupted their apprenticeship training. The proportions of discontinuers varied from one province to another, from 34% to 62% (Appendix tables A.1.3.1 and A.2.3.1)

More than half of the apprentices in the building construction trades (57% and 56%, 1994 and 1995 cohorts, respectively) while less than a third of apprentices in the industrial and mechanical trades (31% and 30%) had done so. Discontinuation rates in the other major trade groups were close to the overall rate (Chart 10).

Chart 10

Discontinuation rate by major trade group, 1994 and 1995 cohorts

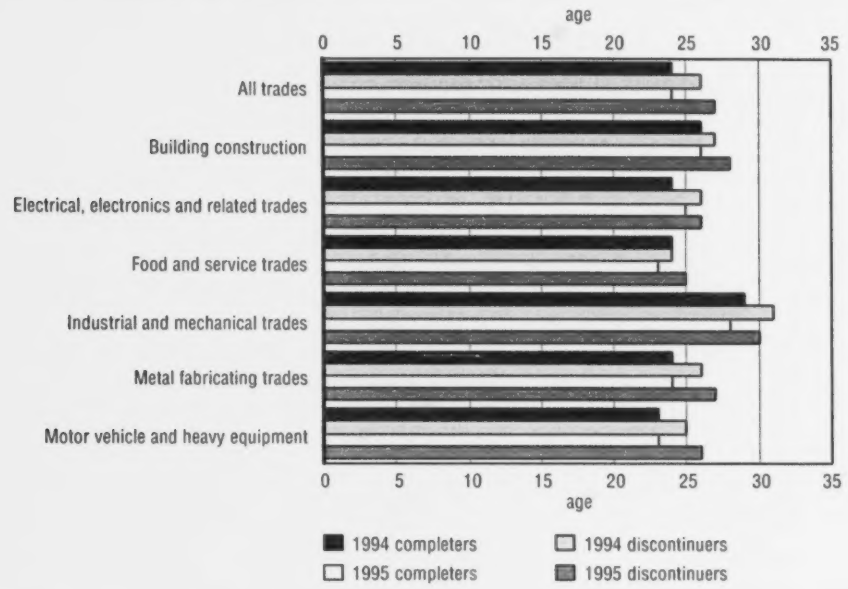


Source: Statistics Canada, Registered Apprenticeship Information System.

Discontinuers were generally older than completers at the time of registration. Indeed, the median age of discontinuers was two to three years older than that of completers, namely, 26 years in 1994 and 27 years in 1995 compared to 24 years old for completers in both cohorts (Chart 11).

Chart 11

Median age at registration of completers and discontinuers, by major trade group, 1994 and 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

The same proportions of discontinuers in both cohorts spent 50% or more time in the program beyond the nominal duration before leaving (36%). More than half the discontinuers in the food and service trades (56% and 51%) had extended their stay in their program. This outcome was mostly due to the hairdresser / hairstyling trade where about three quarters of them (76% and 72%) had exceeded the nominal duration of the program by at least 50% at the time of withdrawal from the program. Conversely, less than one out of five discontinuers in the electrical, electronics and related trades from the 1994 cohort (18%), and one out of four from the 1995 cohort (25%), had exceeded their training beyond the nominal duration; construction electricians were among the least likely to delay the time of discontinuation (Table 8 and Appendix tables A.1.3.2 and A.2.3.2).

Table 8

Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving, specific trades, 1994 and 1995 cohorts

Trade	1994	1995	Program duration
	percent		years
Hairdresser / hairstylist	76	72	2
Motor vehicle body repairer	47	44	3 to 4
Welder	45	40	3
Cook	38	36	3
Industrial electrician	11	36	4
Steamfitter-pipefitter	15	31	4
Sheet metal worker	27	28	3 to 4
Carpenter	31	24	3 to 4
Refrigeration and air conditioning mechanic	28	24	4 to 5
Heavy duty equipment mechanic technician	25	22	4
Industrial mechanic-millwright	32	21	4
Machinist	28	21	4
Automotive service technician	26	21	4
Construction electrician	19	21	4
Plumber	20	18	4
All trades	**36**	**36**	...

... not applicable

Note: Trades are listed in descending order of the results for the 1995 cohort.

Source: Statistics Canada, Registered Apprenticeship Information System.

As was the case for completions, there is no apparent relationship between the discontinuation rate, the nominal duration of the program, and the fact that the apprentice had stayed longer than the nominal duration of the program before leaving.

Furthermore, the median time spent in the program for all discontinuers was four years, namely one year less than the time taken by completers to finish their program (Appendix tables A.1.3.2 and A.2.3.2).[16]

The Registered Apprenticeship Information System (RAIS) does not provide the reasons why some apprentices do not complete their apprenticeship programs. However, the 2007 National Apprenticeship Survey (NAS) showed that the reasons for discontinuing were quite varied and personal for one-third of discontinuers. Apart from those reasons, the most-often cited reasons for discontinuation were: 15% left the program because of not enough work or insufficient income; 10%, because they had received an offer of a better job; and 8%, because they disliked the work or the working conditions.[17] In the case of the 1994 and 1995 cohorts, discontinuers spent a median time of four years in their program. Since this was during the period of strong economic growth of the years 1998 to 2000, it seems unlikely that leaving the program was related to a lack of work. On the contrary, employment growth in Canada was at least 2.5% annually from 1998 to 2000, increasing average family incomes.[18] Furthermore, many discontinuers may have left with significant skill sets and might have been productive trade workers in certain workplaces.

4.4 Continuers

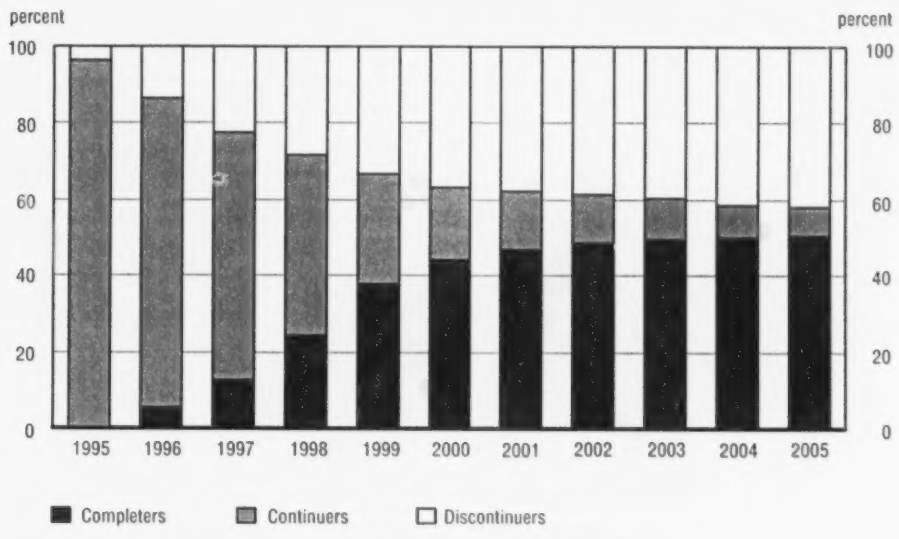
Overall, in both cohorts, almost one apprentice out of ten was still pursuing their apprenticeship training after eleven years. For both cohorts, the highest proportions were recorded in Quebec (CCQ) (16% and 8%) and Ontario (12% and 14%), whereas British Columbia had none in 2005 and only 1% in 2004. Except in Alberta, most continuers remained in the same program over the 11-year period (Appendix tables A.1.4.1 and A.2.4.1).

4.5 Status of apprenticeship over the 11-year period

Chart 12 shows the cumulative proportions of completers, discontinuers and continuers for the 1995 cohort of apprentices during the 11-year period. At the end of the second year, the proportion of discontinuers (14%) was almost three times higher than the proportion of completers (5%). During the following two years (1997 and 1998), the rates of discontinuation rose more rapidly that the rates of completion. The progression in discontinuation rates then began to wane, reaching a plateau of 39% in 2002 and 2003 and culminating at 42% during the final two years of the study period. Meanwhile, between the fourth and fifth years of training (which correspond to the median duration for completion), the proportion of completers rose by 14 percentage points, exceeding the proportion of discontinuers by the end of the fifth year (38% compared to 33%). The proportion of completers continued to increase in all subsequent years, reaching 51% in 2005. Similar patterns were observed for the 1994 cohort.

Chart 12

Learning status of registered apprentices over an 11-year period, 1995 cohort



Source: Statistics Canada, Registered Apprenticeship Information System.

5. Comparative analysis of four cohorts for New Brunswick, Ontario and Alberta

The first two studies on registered apprentices provided an overview of apprenticeship training in New Brunswick, Ontario and Alberta for cohorts of apprentices who began their training programs in 1992 and in 1993. This section builds on that earlier analysis to provide provincial comparisons across the four cohorts that are now available, that is, newly registered apprentices who began their training in 1992, 1993, 1994, and 1995, each followed for an 11-year period, for those three provinces.

5.1 New Brunswick

Fewer new registrations than previously...

In 1994 and 1995, the number of persons beginning an apprenticeship program in New Brunswick was nearly the same, namely 724 and 753. At a minimum, this is 20% less than for the 1992 (904) and the 1993 (921) cohorts.[19]

The median age of New Brunswick apprentices was 25 years, which was the median age for all the provinces. The median age of apprentices in the industrial and mechanical trades group was highest at 30 and 28 years, both in New Brunswick and in the six provinces as a whole.

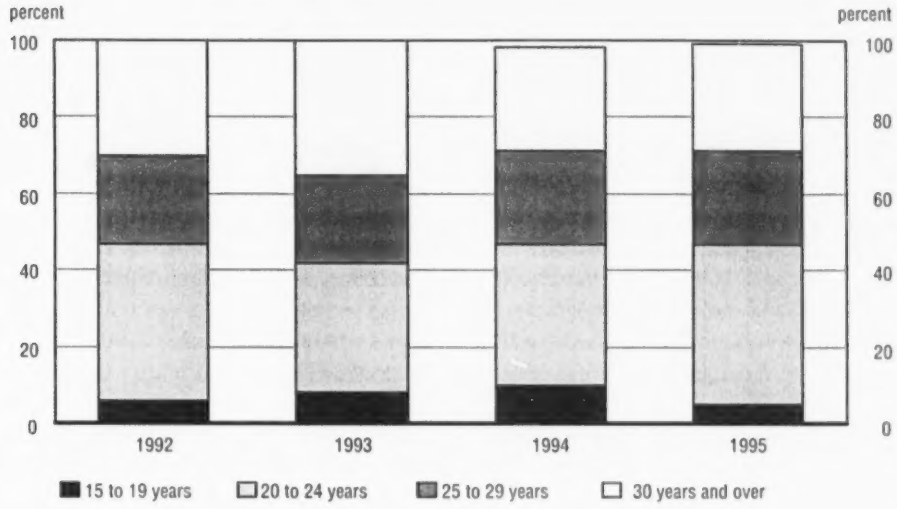
The distribution of new apprentices by age group changed little in relation to the 1992 cohort, with the highest proportions in 1994 and 1995 also being in the 20-to-24 age group (37% and 42%) and the 30 and over age group (27% and 28%).

As was the case for the provinces overall and for the previous cohorts, the motor vehicle and heavy equipment group accounted for the highest proportion of new apprentices in both 1994 and in 1995 (28% and 25%), followed by the metal fabricating group (16% and 15%) and the electrical, electronics and related trades group (15% and 16%) (Chart 14).

A fair proportion of new apprentices registered in the automotive service technician, construction electrician and carpenter trades as was the case in 1992 and 1993 (Appendix tables A.1.1.1 and A.2.1.1).

Chart 13

Distribution of new registered apprentices by age group at registration, New Brunswick, 1992 to 1995 cohorts

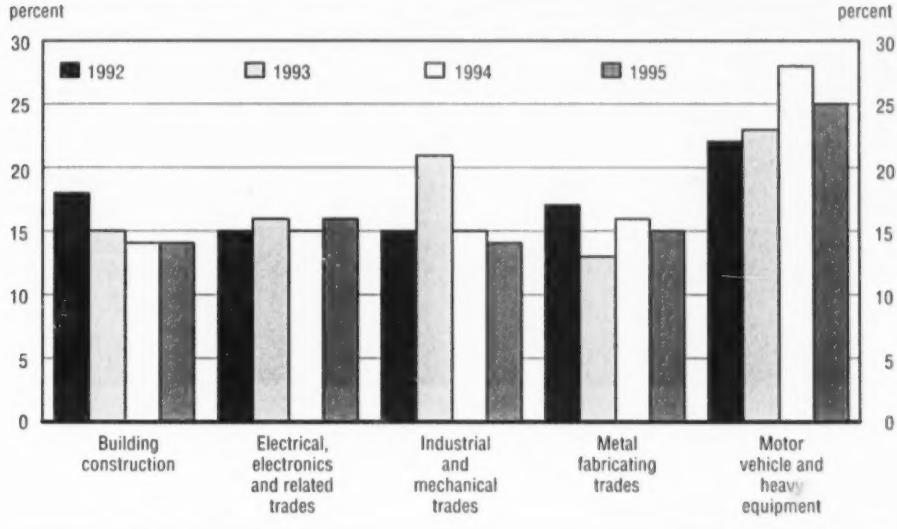


Note: Since apprentices whose age is unknown are excluded from this chart, the percentages may not sum to 100%.

Source: Statistics Canada, Registered Apprenticeship Information System.

Chart 14

Distribution of new apprentices by major trade group, New Brunswick, 1994 and 1995 cohorts



Note: Results for the Food and service trades are suppressed to meet the confidentiality requirements of the *Statistics Act*.

Source: Statistics Canada, Registered Apprenticeship Information System.

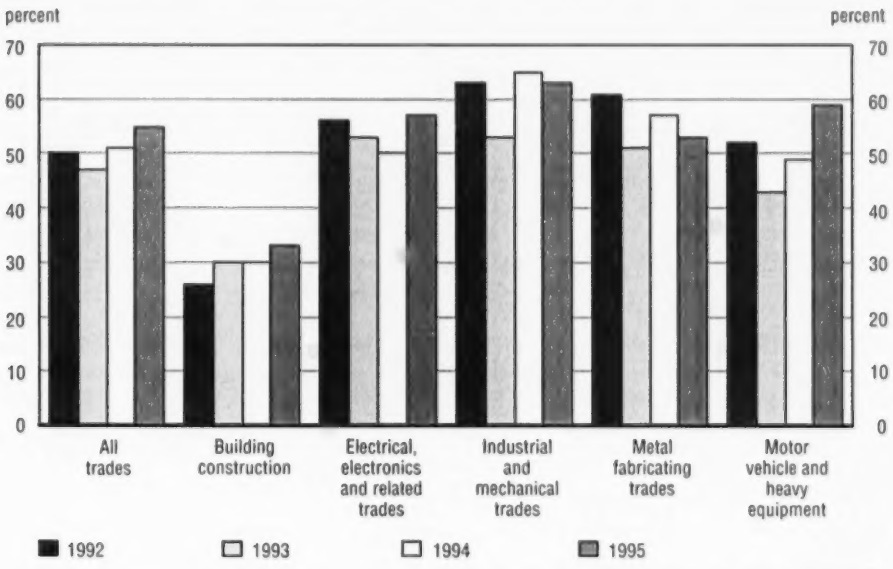
All apprentices in the building construction and metal fabricating groups and almost all in the electrical, electronics and related trades group (98% and 96%) were registered in a Red Seal trade, in the 1994 and 1995 cohorts.[20] However, the industrial and mechanical trades group accounted for much lower proportions of apprentices registered in a Red Seal trade. Despite the fact that overall, more than eight New Brunswick apprentices out of ten had taken a Red Seal-designated trade, only approximately seven out of ten apprentices in the industrial and mechanical trades group were registered in such a trade. This is likely due to the low number of registered apprentices in the trade of industrial mechanics-millwright in this province as well as the lack of new registrants in the trade of refrigeration and air conditioning mechanic (Appendix tables A.1.1.6 and A.2.1.6 as well as A.1.1.2 and A.2.1.2).

...but higher completion rates

A greater percentage of apprentices in the 1994 and 1995 cohorts completed their training within the 11-year period than in the past, with the rate edging up 5 percentage points between 1992 and 1995, rising from 50% to 55% (Chart 15). Furthermore, the 1995 cohort of apprentices recorded the largest proportion of completers in all major trade groups, except for industrial and mechanical trades and metal fabricating. The percentage of completers in the 1994 and 1995 cohorts who never interrupted their training (92%) and the percentage who completed their training in the initial program (89% and 94%) was comparable to that of the 1993 cohort [21] (Appendix tables A.1.2.2 and A.1.2.4, A.2.2.2. and A.2.2.4).

Chart 15

Completion rates by major trade group, New Brunswick, 1992 to 1995 cohorts



Note: Results for the Food and service trades are suppressed to meet the confidentiality requirements of the *Statistics Act*.

Source: Statistics Canada, Registered Apprenticeship Information System.

In order to compare completion rates across cohorts, the analysis used the same trades that were used in the analysis of the 1993 cohort (Table 9).

More than two-thirds (67% and 68%) of industrial mechanics-millwrights in the 1994 and 1995 cohorts completed their program. This is more than twice the rate for apprentices in carpentry, which stood at 28%. Only these two trades showed similar rates across all four cohorts.

Completion rates for automotive service technicians (63%) and construction electricians (60%) in the 1995 cohort exceeded those of their colleagues in the other cohorts, especially the 1993 cohort, with differences of 22 and 16 percentage points respectively. Conversely, proportionally fewer welders (50%) and plumbers (36%) in the 1995 cohort completed their training compared to their counterparts in the other cohorts, with a decrease of 12 and 20 percentage points compared to 1992, for welders and plumbers, respectively.

Table 9

Completion rates for specific trades, New Brunswick, 1992 to 1995 cohorts

Trade	1992	1993	1994	1995
	percent			
Industrial mechanic-millwright	65	64	67	68
Automotive service technician	56	41	47	63
Construction electrician	53	44	47	60
Welder	62	65	68	50
Cook	36	40	30	43
Plumber	56	38	54	36
Carpenter	22	24	28	28
All trades	**50**	**47**	**51**	**55**

Note: Trades are listed in descending order of the completion rates for the 1995 cohort.
Source: Statistics Canada, Registered Apprenticeship Information System.

New Brunswick had a higher percentage of completers who were less than 20 years old at registration

Completion rates relative to age at time of registration in 1994 and 1995 were, for the most part, comparable to those of the previous cohorts. However, the proportions of completers (63% and 70%) among apprentices who began their program before age 20 exceeded by 12 and 15 percentage points the average completion rate for all ages combined, which stood at 51% and 55%. In addition, the median age at the time of registration of completers in New Brunswick was the same as the median age for the provinces overall, namely age 24 (Appendix tables A.1.2.1, A.1.2.5, A.2.2.1 and A.2.2.5).

Unlike the results obtained for previous cohorts, apprentices in two-year programs in the 1995 cohort were more inclined to complete their program than apprentices in programs of other durations (Appendix tables A.1.2.6 and A.2.2.6).

More than four out of ten completers (41% and 45%) in New Brunswick took 50% or more time beyond the nominal duration of their program to complete, which is comparable to the proportion for the provinces overall. The building construction group in both cohorts had the highest percentage of completers who had prolonged their apprenticeship (60% and 71%). Conversely, the lowest

proportion of completers to exceed by at least 50% the nominal program duration were in the motor vehicle and heavy equipment group in the 1994 and 1995 cohorts (34% and 32%) (Appendix tables A.1.2.4 and A.2.2.4).[22]

As noted in Section 4, no clear link emerges between the completion rate in a trade and the proportion of completers who had prolonged their training. Thus, the industrial mechanic-millwright trade in the 1995 cohort registered a relatively high completion rate (68%), despite the fact that almost two-thirds of the completers in this group had taken 50% or more time beyond the nominal duration of the program to complete. Automotive service technicians also had a high completion rate (63%), but the proportion of completers who had prolonged their training was low (34%). Moreover, the proportions of completers who extended their training by 50% or more beyond the nominal duration were as high, if not higher, in some trades with a nominal duration of three years, than in trades of longer duration (Table 10).

Table 10

Completers who took a time of 50% or more beyond nominal duration to complete the program, specific trades, New Brunswick, 1994 and 1995 cohorts

Trade	1994	1995	Nominal duration
	percent		years
Plumber	40	67	4
Industrial mechanic-millwright	29	62	4
Carpenter	61	58	4
Welder	52	54	3
Cook	x	46	3
Automotive service technician	31	34	4
Construction electrician	38	29	5
All trades	**41**	**45**	...

... not applicable

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: Trades are listed in descending order of the proportions for the 1995 cohort.

Source: Statistics Canada, Registered Apprenticeship Information System.

Completers in New Brunswick took a median time of five years to finish their programs

Overall, the median amount of time taken by completers in the 1994 and 1995 cohorts to finish their programs was five years, the same as for the 1993 cohort.[23] The building construction group and the electrical, electronics and related trades group had the longest median durations, at six years.

Non-Red Seal trades had higher proportions of completers than Red Seal trades

New Brunswick stands out from the other provinces by virtue of the fact that apprentices registered in non-Red Seal trades with completion rates of 66% and 69%, for both cohorts, were more likely than their counterparts registered in Red Seal trades (48% and 52%) to complete their program. As noted earlier, these differences are likely influenced by the fact that in New Brunswick, no — or very few — apprentices were registered in certain Red Seal-designated trades with high completion rates, such as hairdresser / hairstylist, refrigeration and air conditioning mechanic and heavy duty equipment mechanic technician.

In addition, completers in non-Red Seal trades in the 1995 cohort had prolonged their training in similar proportions to their Red Seal counterparts (45%) (Appendix tables A.1.2.8, A.1.2.10, A.2.2.8 and A.2.2.10). The proportions for completion without interruption and completion in the initial program were also similar for apprentices in Red Seal and non-Red Seal trades in both cohorts.

Slightly less than half of the apprentices had discontinued their apprenticeship training

As shown in Table 11, the proportion of apprentices in the 1994 cohort who withdrew from their training program was comparable to those of the previous two cohorts, remaining at approximately 50%. The 1995 cohort recorded a rate of discontinuation that was slightly lower than those of the three previous cohorts.

Table 11

Proportions of discontinuers, New Brunswick, 1992 to 1995 cohorts

	1992	1993	1994	1995
			percent	
Discontinuers	47	50	47	42

Source: Statistics Canada, Registered Apprenticeship Information System.

As was the case for the six provinces overall, apprentices in the building construction trades group had a considerably higher discontinuation rate than that of all apprentices combined, with the gap ranging from 18 to 21 percentage points depending on the cohort.[24] Carpenters were a major contributor to these results, as roughly seven out of ten apprentices discontinued their apprentice program. Conversely, just over one third of the apprentices in the industrial and mechanical trades had left their program, due largely to industrial mechanics-millwrights for whom the discontinuation rates were 33% and 32% in the 1994 and 1995 cohorts (Appendix tables A.1.3.2 and A.2.3.2).

In addition, compared to the 1994 cohort, the 1995 cohort showed a higher proportion of discontinuers who had exceeded the nominal duration of the program by 50% or more (at 39% for the 1994 cohort and 45% for the 1995 cohort). The median age at registration for discontinuers in the 1994 cohort was only one year more than that of completers (25 compared to 24) and it was the same in the 1995 cohort, that is, 25 years old.

Discontinuers from the 1994 cohort spent a median time of four years in their program before leaving, one year less than the time required by the completers to finish their training. Discontinuers from the 1995 cohort, for their part, had stayed a median time of five years in their program (Appendix tables A.1.3.2 and A.2.3.2).

New Brunswick had very small proportions of continuers

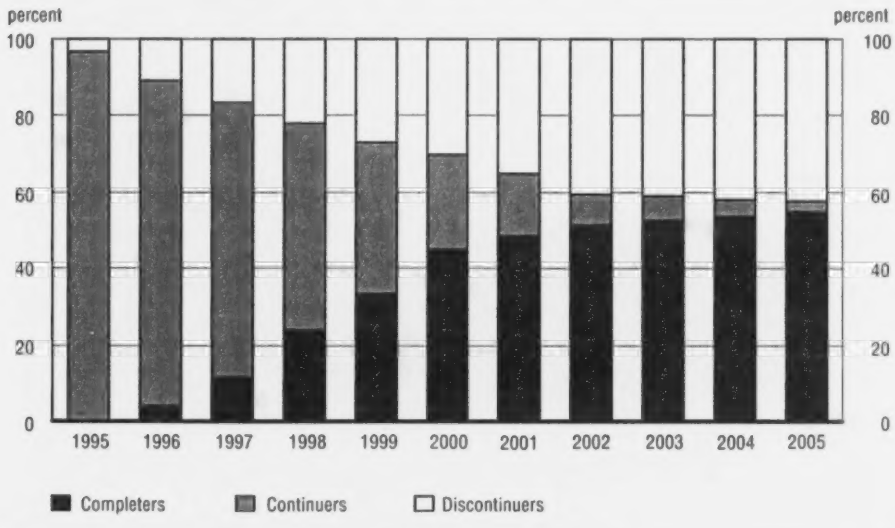
Both cohorts in New Brunswick had smaller proportions of continuers (3%) than was the case for all the provinces overall. Similar proportions of continuers in the 1994 and 1995 cohorts had remained in the same program since registration (89% and 81%) (Appendix tables A.1.4.1 and A.2.4.1).

Learning status over the 11-year period

The attrition in the proportion of continuers over the years and the corresponding increase in the proportions of completers and discontinuers in the 1994 and 1995 cohorts exhibit a pattern somewhat different than the one for the 1992 and 1993 cohorts. The proportions for the 1995 cohort are shown in Chart 16. As in the case of the earlier cohorts, very few apprentices left after the first year and during the next two years, the number of discontinuers increased more rapidly than the number of completers. However, the rate of increase in the number of discontinuers was not as great as it was in the 1992 and 1993 cohorts. Unlike the earlier cohorts, the proportion of discontinuers at the end of the third year (17%) was only five points higher than that of completers (12%). By the fourth year, the proportion of completers (24%) exceeded the proportion of discontinuers (22%). Also notable is a substantial decrease in the proportion of continuers in favour of completers between the seventh and eighth years, with the former decreasing by half. The proportion of discontinuers remained stable during the last three years, while the proportion of completers continued to increase up to the eleventh year.

Chart 16

Learning status of registered apprentices over an 11-year period, New Brunswick, 1995 cohort



Source: Statistics Canada, Registered Apprenticeship Information System.

Summary

In 1994 and 1995, the number of persons beginning an apprenticeship program in New Brunswick was nearly the same, namely 724 and 753. At a minimum, this was 20% less than for the 1992 (904) and the 1993 (921) cohorts. The motor vehicle and heavy equipment trades group accounted for the highest proportions of new apprentices due the large numbers of new automotive service technicians. A fair proportion also registered in the construction electrician and carpenter trades.

A greater percentage of apprentices in the 1994 and 1995 cohorts completed their training within the 11-year period than in the past, with the rate edging up 5 percentage points between 1992 and 1995. The industrial and mechanical trades group posted the highest proportions of completers, due to the industrial mechanics-millwrights; almost seven out of ten apprentices in that trade completed their program in both cohorts.

Completers in New Brunswick took a median time of five years to finish their programs. More than four out of ten completers (41% and 45%) took at least one and a half times the nominal duration of the program to complete.

The proportion of apprentices in the 1994 cohort who withdrew from their training program was comparable to those of the previous two cohorts, remaining at approximately 50%. The 1995 cohort recorded a rate of discontinuation that was slightly lower than those of the three previous cohorts (42%).

Both cohorts in New Brunswick had smaller proportions of continuers (3%) than was the case for all the provinces overall.

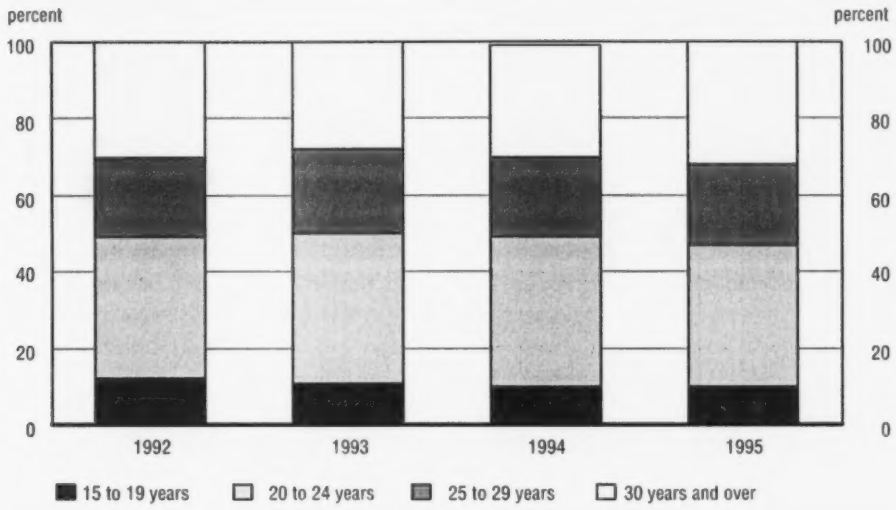
5.2 Ontario

Ontario experienced its strongest increase in the number of new registered apprentices between 1993 and 1994: 10,740 persons began an apprenticeship program in 1994, compared to 9,023 in 1993, an increase of 19%. In 1995, there were 12,062 new registered apprentices, an increase of 12% compared to the previous year. The proportion of new female apprentices remained stable since 1993, at about 15% and 17% in 1994 and 1995, respectively (Appendix tables A.1.1.1 and A.2.1.1).This was the highest share of female apprentices across all six provinces and was significantly higher than in the 1992 cohort (at 9%). The increase in the number of new female registrations between 1992 and 1993 in Ontario was the result of a consolidation of the apprenticeship program in hairstyling in that province in 1993.

With a median age at registration of 31 in 1994 and 29 in 1995 apprentices in the industrial and mechanical trades group were six and four years older than the median for the two cohorts. Next came apprentices in the building construction group with a median age of 29, while the motor vehicle and heavy equipment group had the youngest apprentices, with a median age of 23 (Appendix tables A.1.1.3 and A.2.1.3). Furthermore, as Chart 17 shows, the distribution of new apprentices by age at registration remained practically unchanged over the years. Nearly four out of ten apprentices were between 20 and 24 years of age at the start of the apprenticeship program, while about 30% were age 30 and over and approximately 10% were less than 20 years old.

Chart 17

Distribution of new registered apprentices by age group at registration, Ontario, 1992 to 1995 cohorts



Note: Since apprentices whose age is unknown are excluded from this chart, the percentages may not sum to 100%.

Source: Statistics Canada, Registered Apprenticeship Information System.

Motor vehicle and heavy equipment trades posted the highest proportions of new apprentices in Ontario

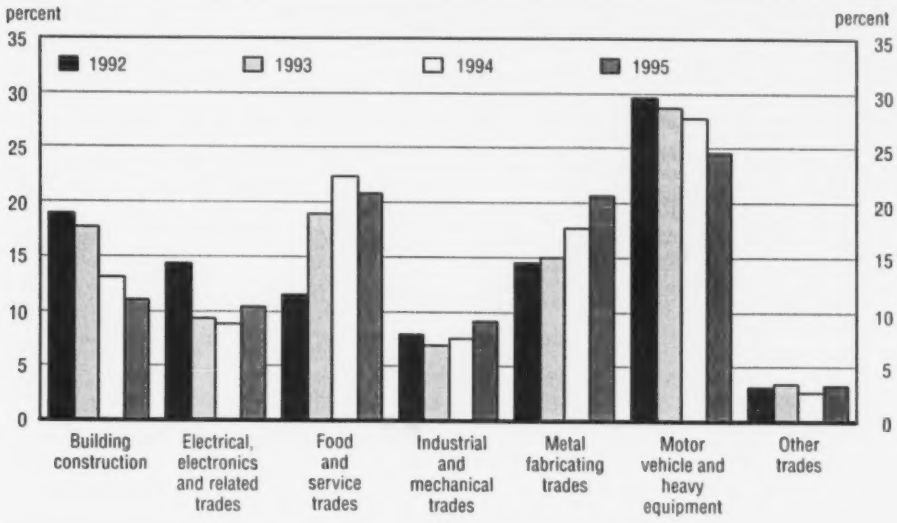
In 1994 and 1995, the motor vehicle and heavy equipment trades group posted the highest proportions of new apprentices (28% and 25%); this was also the case for the previous two cohorts. However, this group saw its proportion of starters decrease by about five percentage points between 1992 and 1995.

The food and service group, for its part, accounted for approximately one apprentice out of five in the three cohorts from 1993 to 1995, as did the metal fabricating group in the 1994 and 1995 cohorts. Although the building construction group (19%) ranked second in 1992, it accounted for about one apprentice out of ten in 1995, a decrease of eight percentage points.

Trades in the industrial and mechanical group and "other trades" received the lowest proportions of starters during the four periods covered (Chart 18).

Chart 18

Distribution of new apprentices by major trade group, Ontario, 1992 to 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

Three of the trades that received the most apprentices in 1994 and 1995 had also been among the most popular in the previous two years. In descending order, they were automotive service technician, hairdresser / hairstylist and construction electrician. Also, there was a jump (27%) in registrations in the automotive service technician program between 1993 and 1994, while in 1995, the number of registrations returned to the same levels as in 1992 and 1993 (Appendix tables A.1.1.2 and A.2.1.2). The rise in 1994 might be due to increased activity in the automotive industry in that year compared to previous years.[25]

More than eight apprentices out of ten in the two cohorts in Ontario were registered in a Red Seal trade.[26] Almost all apprentices in the electrical, electronics and related trades group in both cohorts (98% and 96%) as well as the food and service group (97% and 94%) were registered in a Red Seal trade. In comparison, approximately six apprentices out of ten in the building construction trades (62% and 57%) were registered in a Red Seal trade, which is significantly below the average for the two cohorts (Appendix tables A.1.1.6 and A.2.1.6). The reduced numbers of new enrolees in the building construction programs in the last two years likely explains this result.

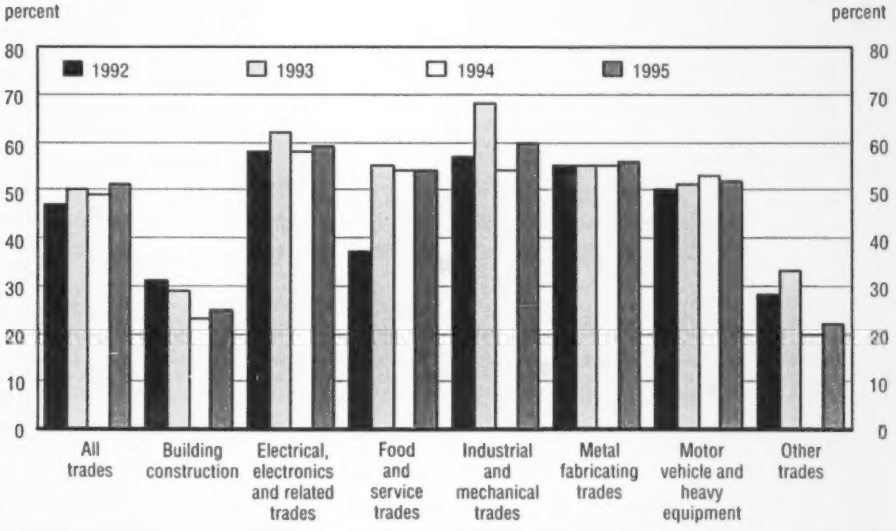
Half of the new registered apprentices in Ontario completed their programs

Half of the Ontario apprentices in the 1994 and 1995 cohorts had completed a training program by the end of the 11-year period, a proportion that held steady since the 1992 cohort. The vast majority in both cohorts had never interrupted their training (95%) and completed their training in the program in which they had first registered (96%); these proportions were similar to those of the 1993 cohort.[27]

Completion rates were highest for all cohorts in two major trade groups. Approximately three apprentices out of five in the electrical, electronics and related trades group completed their program, for all cohorts studied. This was the case for the industrial and mechanical trades group as well, with the exception of the 1994 cohort. In contrast, about one-quarter of apprentices in the building construction trades in both the 1994 and 1995 cohorts completed their training. While this group had a low completion rate in all the provinces, Ontario recorded the lowest rates, at 23% and 25% (Chart 19). Moreover, the proportion of completers in building construction trades in Ontario fell six percentage points between the 1992 and the 1995 cohorts, decreasing from 31% to 25%. In this group, the median time spent in the program for completers and discontinuers alike was three and four years. This corresponds to the years 1997 and 1998, a time of strong economic recovery. Indeed, employment in Ontario grew 3.4% between 1992 and 1995 and increased even more (7%) between 1995 and 1998.[28] In turn, Ontario's unemployment rate fell by 3.6 percentage points, from 10.8% in 1992 to 7.2% in 1998. The decrease in the unemployment rate was even greater in the construction industry, which saw the unemployment rate drop by 10 percentage points, falling from 18.2% in 1992 to 8.3% in 1998.[29]

Chart 19

Completion rates by major trade group, Ontario, 1992 to 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

In Ontario, completion rates for the majority of the 16 trades studied were comparable across the four cohorts (Table 12).[30] However, significant differences are observed between the first two cohorts and the 1994 and 1995 cohorts in three trades. The completion rate in the industrial mechanics-millwrights trade in the 1994 cohort fell 13 percentage points compared to the 1992 cohort and 20 percentage points compared to the 1993 cohort, after which it regained seven percentage points for the 1995 cohort. Completion rates for the building service technicians trade, which had been above average for the cohorts of 1992 (61%) and 1993 (59%), was only 42% for the 1994 cohort and 40% for the 1995 cohort. However, the proportions of discontinuers in both these trades were comparable for the 1993 and 1994 cohorts, while the continuation rate doubled during the same period, rising from 11% and 10% for the 1992 and 1993 cohorts to 25% for the 1994 cohort; these proportions were similar for the 1995 cohort. Lastly, the completion rates for landscape gardeners ranged between 15% and 19% in the first three cohorts but fell to 9% for the 1995 cohort[31].

Table 12

Completion rates for specific trades, Ontario, 1992 to 1995 cohorts

Trade	1992	1993	1994	1995
	percent			
Refrigeration and air conditioning mechanic	64	66	64	71
Hairdresser / hairstylist	49	69	66	68
Construction electrician	64	64	64	68
Tool and die maker	65	63	65	63
Plumber	63	58	64	61
Industrial mechanic-millwright	64	71	51	58
Sheet metal worker	57	53	57	58
Automotive service technician	54	56	57	56
Moulder and engraver	46	50	54	53
Machinist	49	51	45	49
Industrial electrician	45	62	48	42
Building service technician	61	59	42	40
Cook	32	33	31	31
Motor vehicle body repairer	30	34	34	29
Carpenter	34	28	17	23
Landscape gardener	17	19	15	9
All trades	**47**	**50**	**49**	**51**

Note: Trades are listed in descending order of the completion rates for the 1995 cohort.
Source: Statistics Canada, Registered Apprenticeship Information System.

Five trades had completion rates exceeding 60% in the 1994 and 1995 cohorts, led by refrigeration and air conditioning mechanics (64% and 71%) and by hairdressers / hairstylists (66% and 68%). Cooks (31%), motor vehicles body repairers (34% and 29%), carpenters (17% and 23%) and landscape gardeners (15% and 9%) continued to rank last, as they had since the 1992 cohort.

Same gap in completion rates of young and older apprentices as in the previous cohort; four-year programs showed the highest proportions of completers [32]

The gap between completion rates for apprentices less than 20 years of age at the start of the program and those age 40 and over was similar to what it had been in the past, namely 19 percentage points, for the 1994 and 1995 cohorts respectively (Appendix tables A.1.2.1. and A.2.2.1). Indeed, the proportions of completers less than 20 years of age was 54% and 57% for the 1994 and 1995 cohorts respectively, compared to 35% and 38% for completers aged 40 years and over.

Unlike New Brunswick and Alberta, Ontario's apprentices in four-year programs in the 1994 and 1995 cohorts were the most likely to complete their training; completion rates were in the range of 57% and exceeded those of apprentices in two-year programs by six to seven percentage points (Appendix tables A.1.2.6 and A.2.2.6).

Most completers had finished their training within the prescribed time or in a time of less than 50% beyond the nominal program duration

Almost two-thirds of the completers in the cohorts of 1994 and 1995 (61%) completed their training within the expected time or in a time of less than 50% beyond the nominal duration of the program (or within one and a half times the nominal duration). Approximately half of the completers in the electrical, electronics and related trades group in the 1994 cohort and in the building construction group in both cohorts prolonged their training. In contrast, less than one-quarter (23%) of the completers in the industrial and mechanical trades group in the 1994 cohort and three out of ten completers in the metal fabricating trades group in both cohorts took this additional amount of time (Appendix tables A.1.2.4 and A.2.2.4).[33]

Landscape gardeners (60% and 76%), motor vehicle body repairers (55% and 58%), construction electricians (54% and 44%) and hairdressers / hairstylists (43% and 45%) recorded high proportions of completers who had prolonged their training. Conversely, proportionally few moulders and engravers (21% and 17%) and, tool and die makers (21% and 20%) took 50% or more time beyond the nominal duration to complete their program (Table 13).

Table 13

Completers who took a time of 50% or more beyond nominal duration to complete the program, specific trades, Ontario, 1994 and 1995 cohorts

Trade	1994	1995	Nominal duration
	percent		years
Landscape gardener	60	76	2
Carpenter	38	63	3
Motor vehicle body repairer	55	58	2 to 3
Hairdresser / hairstylist	43	45	2
Construction electrician	54	44	4
Refrigeration and air conditioning mechanic	38	40	3 to 4
Plumber	34	34	4
Sheet metal worker	50	30	3 to 4
Automotive service technician	33	30	2 to 4
Building service technician	52	29	2 to 4
Cook	26	26	3
Industrial electrician	49	25	4
Industrial mechanic-millwright	16	24	3 to 5
Machinist	19	23	3 to 4
Tool and die maker	21	20	2 to 4
Moulder and engraver	21	17	3 to 4
All trades	**39**	**39**	...

... not applicable

Note: Trades are listed in descending order of proportions for the 1995 cohort.

Source: Statistics Canada, Registered Apprenticeship Information System.

In the building construction group, the food and service group and the "other trades" group, completers in the cohorts of 1993, 1994 and 1995 took a median time of three or four years to complete their apprenticeship program.

Ontario showed a gap of 18 percentage points between the completion rate of apprentices registered in a Red Seal trade and that of apprentices registered in a non-Red Seal trade

More than half of apprentices registered in a trade covered by the Red Seal Program had completed an apprenticeship program by the end of the 11-year period, whereas about one-third of those registered in non-Red Seal-designated trades had done so. The gap between these two groups of completers was 18 percentage points for both the 1994 and 1995 cohorts (Appendix tables A.1.2.8, A.1.2.10, A.2.2.8 and A.2.2.10).

The discontinuation rate decreased between the 1992 and 1995 cohorts

The proportion of discontinuers decreased by 10 percentage points between the 1992 and 1995 cohorts, decreasing from 45% to 35%.

Table 14

Proportions of discontinuers, Ontario, 1992 to 1995 cohorts

	1992	1993	1994	1995
			percent	
Discontinuers	45	41	38	35

Source: Statistics Canada, Registered Apprenticeship Information System.

As was the case for the provinces overall, apprentices in the building construction group and "other trades" were more likely to discontinue their apprenticeship program, their proportions exceeding the provincial rate by at least 18 percentage points for the 1994 cohort and by 19 percentage points for the 1995 cohort.[34] Among the trades contributing to these results were carpenters (69% and 58%) and landscape gardeners (71% and 58%). In contrast, only about one-quarter of apprentices in the industrial and mechanical trades group in the 1994 and 1995 cohorts left their apprenticeship program before completion. These are the result of low discontinuation rates in the industrial mechanic-millwright trade (24% and 25%) and the refrigeration and air conditioning mechanic trade (32% and 21%).

Discontinuers in Ontario spent a median time of four years in their program and about half of them (52% and 47%) exceeded the program's nominal duration by 50% or more. (Appendix tables A.1.3.2 and A.2.3.2).

Apprentices registered in two-year and three-year programs discontinued their training in higher proportions than those registered in four-year programs. Indeed, the discontinuation rates of apprentices in four-year programs (33% and 30%) were five and four percentage points below those of apprentices in two-year programs (38% and 34%), and about 20 points below those of apprentices in three-year programs (54% and 47%) (Appendix tables A.1.3.4 and A.2.3.4).

More long-term continuers than in the past

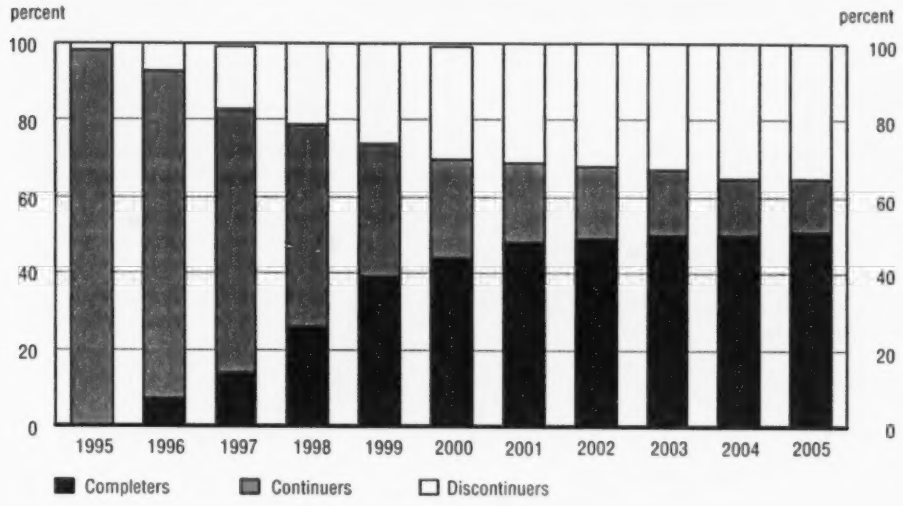
As in the past, Ontario stood out from the other provinces in that it had a relatively high proportion of long-term continuers, that is, apprentices who were still registered in an apprenticeship program at the end of the 11-year period. In fact, the continuation rate increased by six percentage points between the 1992 cohort (8%) and the 1995 cohort (14%). Almost nine out of ten continuers in the last two cohorts had never interrupted their training (Appendix tables A.1.4.1 and A.2.4.1).

Learning status over the 11-year period

The cumulative proportions of completers, discontinuers and continuers over the 11-year period followed a pattern that was similar to the pattern observed in the previous cohorts for the first two years of the period, but that differed somewhat for the subsequent years (Chart 20). At the end of the first year, almost all the apprentices in the 1995 cohort were continuing their program and the proportions of completers and discontinuers were equal, at 7% after the second year. Unlike the 1993 cohort, it was only at the end of the fourth year that the completion rate began to rise more rapidly than the discontinuation rate, with an increase of 12 percentage points compared to 5 percentage points for the discontinuers. After the fifth year, the gap between completers and discontinuers was 13 percentage points, reaching 16 percentage points after eleven years.

Chart 20

Learning status of registered apprentices over an 11-year period, Ontario, 1995 cohort



Source: Statistics Canada, Registered Apprenticeship Information System.

Summary

In 1994, 10,740 persons in Ontario began an apprenticeship program compared to 12,062 in 1995, an increase of 12%. Motor vehicle and heavy equipment trades posted the highest proportions of new apprentices (28% and 25%). Trades that received the most apprentices in 1994 and 1995 were, in descending order: automotive service technician, hairdresser / hairstylist and construction electrician.

Half of the Ontario apprentices in the 1994 and 1995 cohorts had completed their training program by the end of the 11-year period, a proportion that held steady since the 1992 cohort. Five trades had completion rates exceeding 60% in the 1994 and 1995 cohorts, led by refrigeration and air conditioning mechanics (64% and 71%) and by hairdressers / hairstylists (66% and 68%). Cooks (31% in both cohorts), motor vehicles body repairers (34% and 29%), carpenters (17% and 23%) and landscape gardeners (15% and 9%) continued to rank last, as they had since the 1992 cohort.

Ontario's apprentices in four-year programs were the most likely to complete their training; completion rates were in the range of 57% and exceeded those of apprentices in two-year programs by six to seven percentage points

Almost two-thirds of the completers (61%) completed their training within the expected time or in a time of less than 50% beyond the nominal duration of the program.

The proportion of discontinuers decreased by 10 percentage points between the 1992 and 1995 cohorts, decreasing from 45% to 35%.

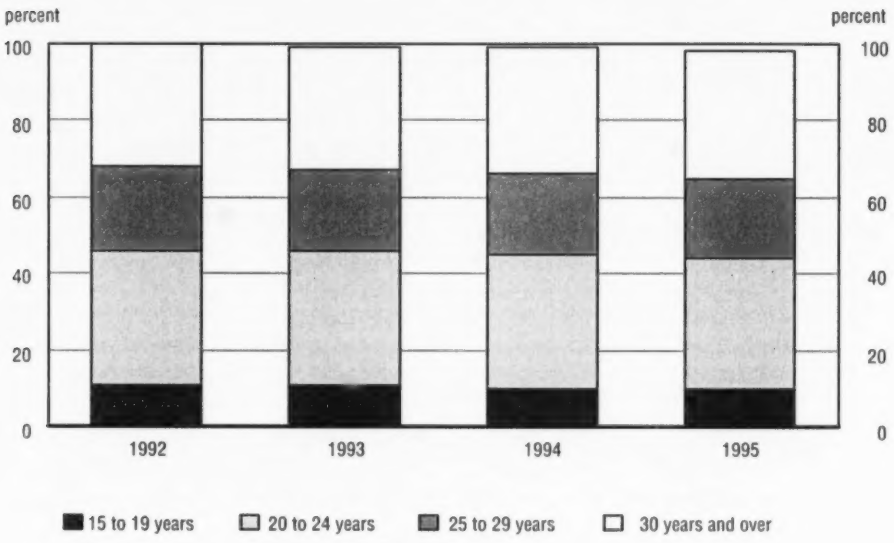
5.3 Alberta

The number of persons newly registered in an apprenticeship program in Alberta increased 9% between the 1994 and 1995 cohorts, rising from 6,700 to 7,305 in total. This increase was smaller than that observed in previous cohorts. The increase in the number of new registrations in apprenticeship programs between the 1993 and 1994 cohorts was largest at 22%, while the increase between 1992 and 1993 was 13%. As for the proportion of new female apprentices, it remained unchanged since 1992 at 13% (Appendix tables A.1.1.1 and A.2.1.1).

Apprentices in the industrial and mechanical trades group, with a median age of 30 and 29, and those in "other trades" (median ages 30 and 28) were the oldest at the time of registration in the 1994 and 1995 cohorts. As in Ontario, the distribution of new apprentices by age group remained unchanged since 1992 — one-third were age 30 and over, approximately 34% were age 20 to 24, and one apprentice out of ten was less than 20 years old (Chart 21).

Chart 21

Distribution of new registered apprentices by age group at registration, Alberta, 1992 to 1995 cohorts



Note: Since apprentices whose age is unknown are excluded from this chart, the percentages may not sum to 100%.

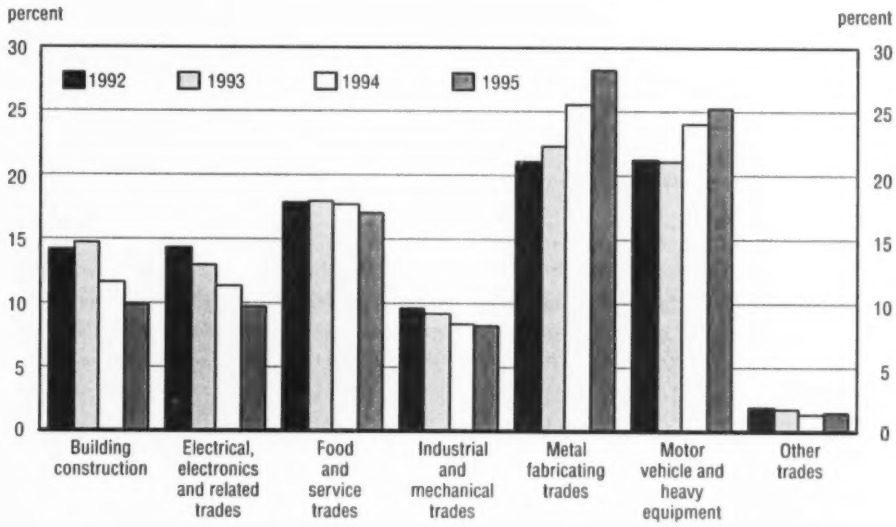
Source: Statistics Canada, Registered Apprenticeship Information System.

Half the new apprentices were registered in the metal fabricating and motor vehicle and heavy equipment groups

About half of the new apprentices in 1994 and 1995 registered in the metal fabricating trades group or the motor vehicle and heavy equipment group. These two groups also received most new apprentices in the previous cohorts, possibly a reflection of the predominance of the mining and petroleum industries in this province. Indeed, persons working in these industries accounted for 6% and 5% of all 1994 and 1995 workers in Alberta, compared to 1% or less in the other provinces.[35] As seen in Chart 22, these two trade groups alone accounted for almost the entire increase in registrations in Alberta between 1992 and 1995.

Chart 22

Distribution of new apprentices by major trade group, Alberta, 1992 to 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

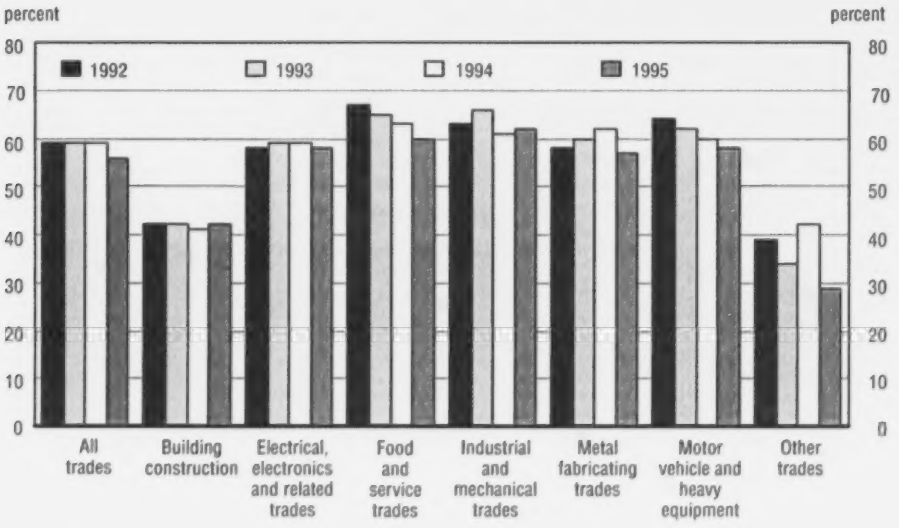
In 1994 and 1995, "welder" was the trade that accounted for the highest proportions of new registrations, at 13% and 15% respectively. This trade was followed by the hairdresser / hairstylist, construction electrician, automotive service technician and heavy duty equipment mechanic technician trades. (Appendix tables A.1.1.2 and A.2.1.2). These trades also accounted for the majority of new registrations in the previous two cohorts

Alberta ranked second after Manitoba in having the highest proportions of apprentices registered in a Red Seal trade. Indeed, more than nine apprentices out of ten in the 1994 and 1995 cohorts took training in such a trade. This was the case for almost all apprentices in the building construction group (99% and 100%), primarily because of the carpenter trade. The proportions in Red Seal trades were slightly lower in the motor vehicle and heavy equipment category (81% and 85%).

Alberta had the second highest proportion of completers

As noted in Section 4, the completion rates of Alberta apprentices who registered in 1994 (59%) and 1995 (56%) were among the highest across the six provinces. Nevertheless, the completion rate for the 1995 cohort was the lowest of the four cohorts, down three percentage points from the previous three cohorts. The proportions of completers in the 1995 cohort were also the lowest in four of the major trade groups: food and service, metal fabricating, motor vehicle and heavy equipment and "other trades." Completion rates were similar for the four cohorts in the other trade groups (Chart 23). Meanwhile, the proportions of completers who had never interrupted their apprenticeship (90%) and of those who completed in the initial program (95% and 94%) were practically identical to the corresponding proportions for the 1993 cohort[36] (Appendix tables A.1.2.4 and A.2.2.4).

Chart 23
Completion rates by major trade group, Alberta, 1992 to 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

In order to compare trades over time, machinist and crane and hoist operators were added to the list of trades included in the study on the 1993 cohort, owing to the sizable number of such apprentices in the 1994 and 1995 cohorts. The list of those trades is shown in Table 15.

Four trades continued to show the highest completion rates at the end of the 11-year periods, that is, in 2004 and 2005: hairstylists (75% and 72%), industrial mechanics-millwrights (68% and 66%), heavy duty equipment mechanic technicians (66% and 65%) and welders (65% and 64%). In contrast, carpenters (44% and 42%) and cooks (44% and 42%) were consistently the least likely to complete their apprenticeship. Also, the 1995 cohort recorded the lowest proportions of completers of the four cohorts in 10 of the 16 trades (Table 15).

Table 15

Completion rates for specific trades, Alberta, 1992 to 1995 cohorts

Trade	1992	1993	1994	1995
	percent			
Hairdresser / hairstylist	78	76	75	72
Industrial mechanic-millwright	78	71	68	66
Heavy duty equipment mechanic technician	70	72	66	65
Welder	66	71	65	64
Machinist	59	56	72	63
Automotive service technician	64	59	64	62
Construction electrician	58	61	61	60
Partsperson (industrial engine and equipment)	62	62	60	54
Plumber	58	58	59	54
Industrial instrument mechanic	52	57	53	51
Steamfitter-pipefitter	50	48	55	51
Motor vehicle body repairer	51	54	48	48
Sheet metal worker	34	41	51	46
Carpenter	42	40	44	42
Crane and hoist operator	49	51	43	42
Cook	48	49	44	42
All trades	**59**	**59**	**59**	**56**

Note: Trades are listed in descending order of the completion rate for the 1995 cohort.
Source: Statistics Canada, Registered Apprenticeship Information System.

As in Ontario, the gap between the completion rates of young and older apprentices was at least 18 percentage points.

For the 1994 cohort, the same gap was observed in completion rates for new registrants who were less than 20 years old at the start of the program and those age 40 and over as for previous cohorts (21 percentage points). At 18 percentage points, this gap was slightly less pronounced in the case of the 1995 cohort (Appendix tables A.1.2.1 and A.2.2.1).

As in previous cohorts, approximately three-quarters of apprentices registered in programs with a nominal duration of two years completed their training (74% and 71%). This is between 15 and 17 percentage points higher than completion rates of apprentices in four-year programs (Appendix tables A.1.2.6 and A.2.2.6.).

Just as for the provinces overall, about 40% of completers in the 1994 and 1995 cohorts had taken 50% or more time beyond the nominal duration of the program to complete their training. In the 1994 cohort, higher percentages of completers in electrical, electronics and related trades (45%) and in motor vehicle and heavy equipment trades (44%) took 50% or more time beyond the nominal duration of the program to complete their training. In the 1995 cohort, completers

in the electrical, electronics and related trades and in the food and service group were more likely than completers in other trades to have prolonged their program. Contrary to what was observed for the provinces overall, completers in the building construction trades (36% and 34%) were among the least likely to exceed the nominal duration of the program by 50% or more time[37] (Appendix tables A.1.2.4 and A.2.2.4).

In Alberta, the crane and hoist operator (77% and 84%) and motor vehicle body repairer (63% and 67%) trades had the largest proportions of completers who finished their training in a time of 50% or more beyond the nominal duration. On the other hand, this was the case for only one-quarter of cooks and machinists (Table 16).

Table 16

Completers who took a time of 50% or more beyond nominal duration to complete the program, specific trades, Alberta, 1994 and 1995 cohorts

Trade	1994	1995	Nominal duration
	percent		years
Crane and hoist operator	77	84	1 to 3
Motor vehicle body repairer	63	67	3
Sheet metal worker	81	63	4
Hairdresser / hairstylist	46	52	2
Plumber	40	52	4
Construction electrician	49	43	4
Carpenter	38	35	4
Welder	33	34	3
Automotive service technician	33	33	4
Steamfitter-pipefitter	27	33	4
Industrial mechanic-millwright	34	30	4
Industrial instrument mechanic	34	30	4
Partsperson (industrial engine and equipment)	34	30	3
Heavy duty equipment mechanic technician	36	27	3 to 4
Cook	26	25	3
Machinist	26	24	4
All trades	**39**	**39**	...

... not applicable

Note: Trades are listed in descending order of the proportions for the 1995 cohort.

Source: Statistics Canada, Registered Apprenticeship Information System.

The median amount of time needed by apprentices to complete their program was five years for the 1994 cohort and four years for the 1995 cohort, which was one year less than for the 1993 cohort.[38] All major groups with the exception of food and service (both cohorts) and metal fabricating (1995 cohort), posted a median duration of five years. These durations are similar to those of the major trades groups in the 1993 cohort (Appendix tables A.1.2.2 and A.2.2.2).

Six out of ten apprentices in Red Seal trades had completed their training compared to less than half of those in non-Red Seal trades

The completion rate for apprentices registered in a Red Seal trade was 12 percentage points higher than for apprentices registered in a non-Red Seal trade, namely, 60% and 57% compared to 48% and 45%. In Alberta, almost all apprentices registered in a program in building construction were in a Red Seal designed trade. These programs included: cabinetmaker, carpenter, cement finisher, insulator heat and frost, painter and decorator, and roofer.

The proportions of completion without interruption and completion in the initial program were similar for Red Seal trades and non-designated trades (Appendix tables A.1.2.8, A.1.2.10, A.2.2.8 and A.2.2.10).

Similar proportions of discontinuers in the four cohorts

Approximately two Alberta apprentices out of five in the 1994 and 1995 cohorts had permanently interrupted their training before completion, the same proportion found in the previous cohorts (Table 17).

Table 17

Proportions of discontinuers, Alberta, 1992 to 1995 cohorts

	1992	1993	1994	1995
			percent	
Discontinuers	40	41	39	41

Source: Statistics Canada, Registered Apprenticeship Information System.

Like in New Brunswick and Ontario, the building construction trades had a discontinuation rate (56% and 55%) that was typically higher than the provincial rate, with a gap of at least 14 percentage points. The following trades contributed to these results: cabinetmaker, carpenter, roofer and insulator heat and frost.[39]

On the other hand, the metal fabricating group in the 1994 cohort (35%) and the electrical, electronics and related trades group, as well as the industrial and mechanical group in the 1995 cohort (36%) had the lowest discontinuation rates.

Unlike New Brunswick, Alberta discontinuers from the 1994 cohort (43%) were more likely to stay in the program for 50% or more time beyond the nominal duration before leaving than were their colleagues from the 1995 cohort (37%).

In general, discontinuers in the 1994 and 1995 cohorts spent a median of four years in an apprenticeship program before leaving; this was also true for the six provinces overall (Appendix tables A.1.3.2 and A.2.3.2).

Like New Brunswick, Alberta had very few long-term continuers

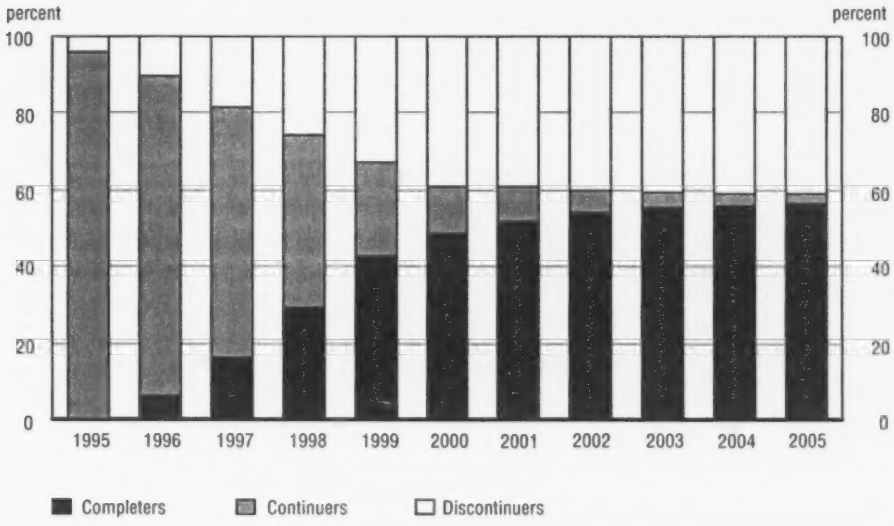
As in previous years, there were very few apprentices in the 1994 and 1995 cohorts in Alberta who were still registered in a program at the end of the 11-year period (at 2% and 3%, respectively). Only about half of these continuers were still registered in their initial program (57% and 50%) and most of them (87% and 86%) had interrupted their training during this period (Appendix tables A.1.4.1 and A.2.4.1).

Learning status over the 11-year period

The cumulative proportions of completers, discontinuers and continuers over the 11-year period exhibited a pattern similar to that of the first two cohorts. Chart 24 shows this pattern for the 1995 cohort. The number of completers and discontinuers increased at roughly the same pace in the first three years. By the end of the fourth year, the completion rate exceeded the discontinuation rate by three to four percentage points. Between the fourth and fifth years, the completion rate rose sharply (14 percentage points). Meanwhile, the increase in discontinuers slowed with a rise of only 8 percentage points, then stabilized. At the same time, the proportion of continuers rapidly fell (20 percentage points), a decrease that continued in subsequent years in favour of completers, whose rate at the end of the eleven years corresponded to nearly 60% of the cohort.

Chart 24

Learning status of registered apprentices over an 11-year period, Alberta, 1995 cohort



Source: Statistics Canada, Registered Apprenticeship Information System.

Summary

The number of persons newly registered in an apprenticeship program in Alberta increased 9% between the 1994 and 1995 cohorts, rising from 6,700 to 7,305 in total. About half of the newly registered apprentices chose the metal fabricating trades group or the motor vehicle and heavy equipment group. In 1994 and 1995, "welder" was the trade that accounted for the highest proportions of new registrations, at 13% and 15% respectively. This trade was followed by the hairdresser/hairstylist, construction electrician, automotive service technician and heavy duty equipment mechanic technician trades.

Alberta ranked second after Manitoba in having the highest proportions of apprentices registered in a Red Seal trade. Indeed, more than nine apprentices out of ten in the 1994 and 1995 cohorts took training in such a trade.

Completion rates of Alberta apprentices who registered in 1994 (59%) and 1995 (56%) were among the highest across the six provinces. Four trades showed the highest completion rates at the end of the 11-year periods, that is, in 2004 and 2005: hairstylists (75% and 72%), industrial mechanics-millwrights (68% and 66%), heavy duty equipment mechanic technicians (66% and 65%) and welders (65% and 64%). In contrast, carpenters (44% and 42%) and cooks (44% and 42%) were the least likely to complete their apprenticeship program.

Just as for the provinces overall, about 40% of completers in the 1994 and 1995 cohorts had taken 50% or more time beyond the nominal duration of the program to complete their training. In Alberta, the crane and hoist operator (77% and 84%) and motor vehicle body repairer (63% and 67%) trades had the largest proportions of completers who finished their training in a time of 50% or more beyond the nominal duration. On the other hand, this was the case for only one-quarter of cooks and machinists.

The median amount of time needed by apprentices to complete their program was five years for the 1994 cohort and four years for the 1995 cohort.

Approximately two Alberta apprentices out of five in the 1994 and 1995 cohorts had permanently interrupted their training before completion.

6. Analysis of the new provinces, 1994 and 1995 cohorts (Quebec (CCQ), Manitoba and British Columbia)

This section presents the results for the three provinces added to the data files: Quebec, Manitoba and British Columbia.

The results for Manitoba and British Columbia are discussed first by comparing each of these provinces with the results for the complete set of six provinces included in the study and then by comparing the results for the 1994 and 1995 cohorts.

Apart from information on the industrial electrician trade which was provided by Emploi-Quebec, all of the data for Quebec come from the Commission de la construction du Québec (CCQ) and so do not cover all apprenticeship programs in the province. As a consequence, comparisons are not made with the set of six provinces.[40]

6.1 Quebec (CCQ)

In 1995, there were 3,449 new apprentices in Quebec compared to 3,249 in 1994 for the same list of programs.[41]

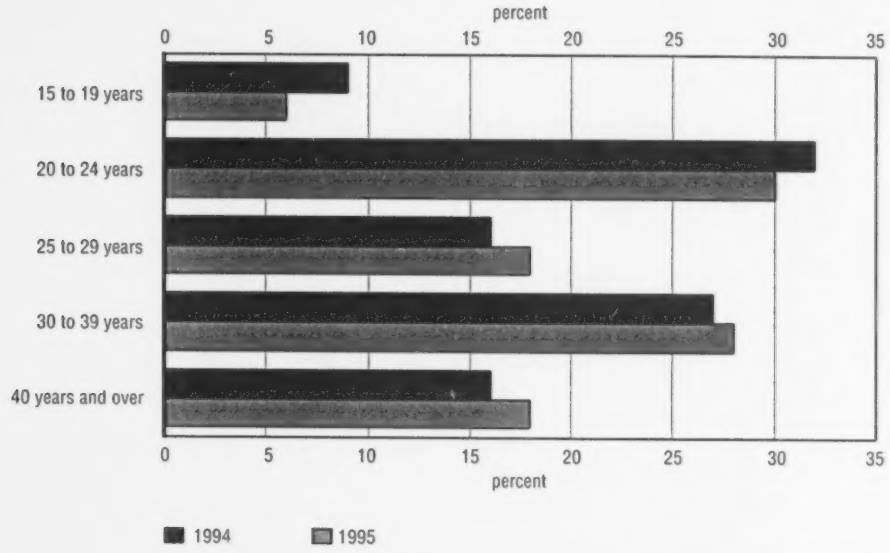
Few apprentices under 20 years old

Overall, the distribution of new Quebec apprentices by age group changed little between 1994 and 1995. The largest proportions of new apprentices (32% and 30%), were in the 20 to 24 age group, for both cohorts. The proportions of new apprentices in the 25 to 29 and 40 and over age groups in Quebec were similar (16% and 18%) (Chart 25).

The median age of new apprentices in the two cohorts was practically the same, namely 27 and 28. The motor vehicle and heavy equipment group had the highest median age, at 33 and 34, respectively. Next came the building construction group, with median ages of 29 and 31. In fact, nearly two-thirds of new apprentices in the motor vehicle and heavy equipment group and approximately half of building construction apprentices were 30 years of age and over, compared to 43% and 46% for Quebec apprentices in general (Appendix tables A.1.1.2, A.1.1.3, A.2.1.2 and A.2.1.3).

Chart 25

Distribution of new registered apprentices by age group at registration, Quebec (CCQ), 1994 and 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

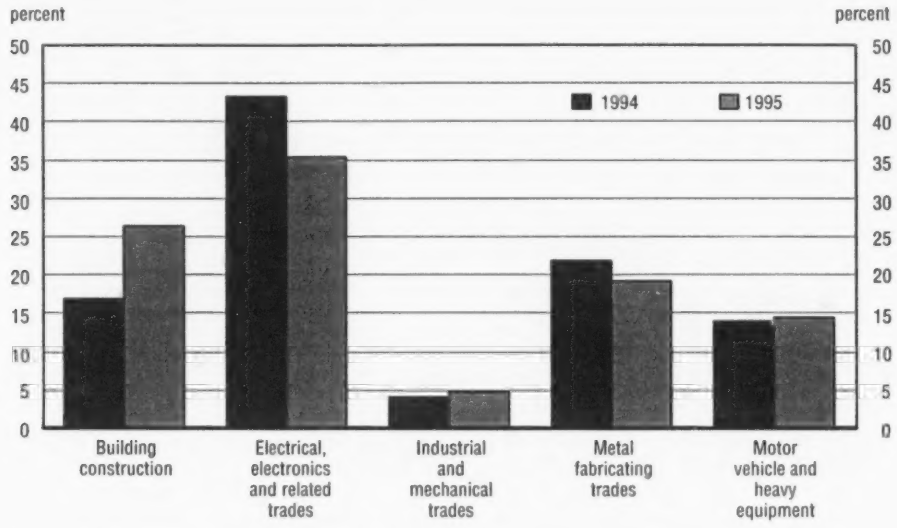
The electrical, electronics and related trades group accounted for the largest share of new apprentices in 1994 and 1995

In Quebec, the electrical, electronics and related trades group accounted for the largest proportions of new apprentices for the 1994 and 1995 cohorts (43% and 35%). The metal fabricating group in 1994 (22%) and the building construction group in 1995 (26%) ranked second (Chart 26).

For both the 1994 and 1995 cohorts, the trades most popular with new apprentices were industrial electrician (31% and 20%), steamfitter-pipefitter (17% and 13%), construction electrician (12% and 9%) and carpenter (9% and 14%) (Appendix tables A.1.1.2 and A.2.1.2).

Chart 26

Distribution of new apprentices by major trade group, Quebec (CCQ), 1994 and 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

At least three quarters of apprentices were registered in a Red Seal trade

Three apprentices out of four (76%) in the 1995 cohort were registered in a trade covered by the Red Seal Interprovincial Standards Program; the proportion was 84% for the 1994 cohort. All major trade groups other than motor vehicle and heavy equipment had large proportions of apprentices registered in a Red Seal trade (ranging between 81% and 100% in both cohorts). However, the proportion in a Red Seal designated trade was negligible in the motor vehicle and heavy equipment group (3% in the 1995 cohort)[42]. It was mainly owing to this group that Quebec had a relatively small proportion of apprentices registered in a Red Seal designated trade (Appendix tables A.1.1.6 and A.2.1.6). Moreover, as noted in Section 2, only 28 trades were covered by the Red Seal program in this province in 1994 and 1995.

The completion rate of Quebec's apprentices was similar to that of building construction apprentices in Ontario and New Brunswick

Although Quebec apprentices obtained fairly low completion rates (22% and 30%), these were comparable to the rates for apprentices in the building construction group in most other provinces—especially Ontario and New Brunswick. The group showing the highest completion rates was the industrial and mechanical trades group at 47% and 52% for the 1994 and 1995 cohorts, respectively. However, this group received the fewest new apprentices in both cohorts. The building

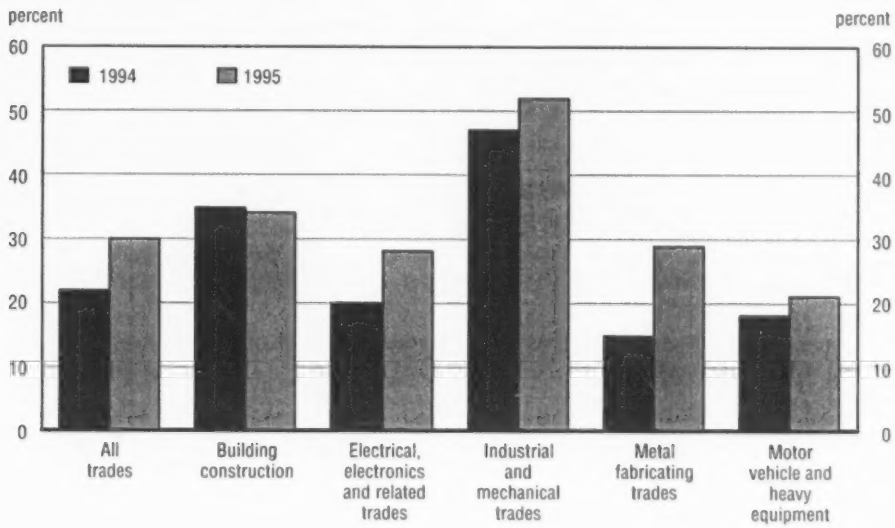
construction group followed with completion rates of 35% and 34%, while this rate was lowest in the motor vehicle and heavy equipment group, at 18% and 21% (Appendix tables A.1.2.2 and A.2.2.2).

Except for the building construction group, completion rates increased between the two cohorts. This was especially true of the metal fabricating group, where the proportion of completers almost doubled, rising from 15% to 29% (Chart 27).

The vast majority of completers (97%) completed in their initial program and close to nine apprentices out of ten had never interrupted their training (87% and 88%). However, about seven completers out of ten (71% and 67%) had taken 50% or more time beyond the nominal duration of their program to complete (Appendix tables A.1.2.4 and A.2.2.4).

Chart 27

Completion rates by major trade group, Quebec (CCQ), 1994 and 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

At the end of the 11-year period, more than half of the refrigeration and air conditioning mechanics in the 1994 cohort (54%) and more than two-third in the 1995 cohort (65%) had completed an apprenticeship program. During the same time, about half of the construction electricians in both cohorts (46% and 53%) and only 9% and 15% of industrial electricians had completed their program.

Of the nine trades selected, only the power shovel operator trade recorded a reduction in completion rates from one cohort to the next, with this rate decreasing from 41% for the 1994 cohort to 33% for the 1995 cohort. Noteworthy among trades showing an increase in the proportion of completers were steamfitter-pipefitters, for whom the proportion doubled, increasing from 10% to 22%, as well as refrigeration and air conditioning mechanics, for whom the rate rose 11 percentage points (Table 18).

Table 18

Completion rates for specific trades, Quebec (CCQ), 1994 and 1995 cohorts

	1994	1995
Trade	percent	
Refrigeration and air conditioning mechanic	54	65
Construction electrician	46	53
Painter and decorator	32	34
Power shovel operator	41	33
Carpenter	30	32
Steamfitter-pipefitter	10	22
Industrial electrician	9	15
All trades	**22**	**30**

Note: Trades are listed in descending order of the completion rates for the 1995 cohort.
Source: Statistics Canada, Registered Apprenticeship Information System.

Completion rates decreased with age

The proportion of completers for each of the five age categories rose between the two cohorts. The largest increases were for 15 to 19 year olds, with completion rates increasing from 28% to 44% and 25 to 29 year olds, increasing from 23% to 35%. As observed earlier, completion rates declined with age (Appendix tables A.1.2.1 and A.2.2.1).

Completion rates of apprentices in three-year programs were 32% and 34%; these were 13 and 5 percentage points above completion rates for apprentices in four-year programs[43] (Appendix tables A.1.2.6 and A.2.2.6).

The vast majority of completers in building construction and motor vehicle and heavy equipment had prolonged their training

About 90% of completers in the building construction and the motor vehicle and heavy equipment groups took 50% or more time beyond the nominal duration of the program to complete. For the 1994 cohort, the industrial and mechanical trades group had the lowest rate of completion after prolonged training (49%), while for the 1995 cohort it was the electrical, electronics and related trades group at 45% (Appendix tables A.1.2.4 and A.2.2.4).

The proportions of completers prolonging their training were among the highest for power shovel operators (96% and 98%) and painters and decorators (100% and 97%) (Table 19).

Table 19

Completers who took a time of 50% or more beyond nominal duration to complete the program, specific trades, Quebec (CCQ), 1994 and 1995 cohorts

Trade	1994	1995
	percent	
Power shovel operator	96	98
Painter and decorator	100	97
Carpenter	86	83
Construction electrician	73	69
Steamfitter-pipefitter	67	62
Refrigeration and air conditioning mechanic	51	48
Industrial electrician	18	x
All trades	**71**	**67**

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: Trades are listed in descending order of the proportions for the 1995 cohort.

Source: Statistics Canada, Registered Apprenticeship Information System.

For the 1994 cohort, the median length of time needed by completers to finish their program was six years, whereas it was five years for the 1995 cohort. With the exception of the motor vehicle and heavy equipment group in the 1995 cohort, for which the median length of time was four years, the median for all trade groups in the two cohorts was five or six years (Appendix tables A.1.2.2 and A.2.2.2).

There were little difference in the completion rates of apprentices in Red Seal and non-Red Seal trades

The proportions of completers in Red Seal designated trades were almost the same as for their non-Red Seal counterparts, at 23% compared to 20% (1994 cohort) and 31% compared to 27% (1995 cohort).

The industrial and mechanical trades group in the 1995 cohort accounted for the largest proportion of completers in a Red Seal trade with 51%. This is at least 20 percentage points more than for apprentices in Red Seal trades in general (Appendix tables A.1.2.8, A.1.2.10, A.2.2.8 and A.2.2.10).

Almost two-thirds of apprentices left the apprenticeship program before completion

Almost two-thirds of apprentices (62%) had become discontinuers by the end of the eleven-year periods. In the two Quebec cohorts, more than seven apprentices out of ten in the motor vehicle and heavy equipment group (72% and 71%) had discontinued their program. Next came the metal fabricating group (66%) and the electrical, electronics and related trades group (61% and 67%) (Appendix tables A.1.3.2 and A.2.3.2).

The specific trades contributing to these results were: steamfitter-pipefitter (69% and 75%) and industrial electrician (68% and 85%). As noted earlier, this last trade accounted for the largest proportion of new apprentices in 1994 and 1995, suggesting that there was strong demand for this trade in the labour market. It would be interesting to see whether these discontinuers left their training in order to work in their field of study. However, the RAIS data do not provide this information.

The group showing the lowest proportion of discontinuers was the industrial and mechanical trades group with less than half the apprentices being discontinuers. This was also the group where the number of registered apprentices was the lowest in both cohorts.

The proportion of discontinuers who exceeded the nominal duration of the program by 50% or more before leaving was 11 percentage points higher for the 1995 cohort (41%) than for the 1994 cohort (30%). Three trades contributed to this increase: construction electrician, whose rate of late withdrawal had increased by 9 percentage points; industrial electricians who showed an increase of 29 percentage points; and finally, painters and decorators with an increase of 11 percentage points (Appendix tables A.1.3.2 and A.2.3.2).

Quebec discontinuers were significantly older at time of registration than were the completers. The median age of the former was 29 years for the 1994 cohort and 31 years for the 1995 cohort, compared to 23 and 24 years, respectively, for the completers (Appendix tables A.1.3.3 and A.2.3.3).

In Quebec, the median time spent in the program before discontinuing was three years. All the major trade groups in the 1994 cohort recorded this median time. However, it was a year more for the discontinuers in three trade groups in the 1995 cohort: electrical, electronics and related trades, industrial and mechanical trades and metal fabricating trades.

The timing of Quebec apprentices' discontinuation of their program corresponded to the years 1997 to 1999, during the economic recovery. Employment in Quebec grew by 4.9% between 1997 and 1999 and approximately one-third of the new jobs created in this province were in the manufacturing sector. Furthermore, at the end of 1999, the province recorded its lowest unemployment rate since 1976. At 9.3%, the rate was down 3 percentage points compared to 1994 (12.3%).[44] This strong employment growth may have led some apprentices to enter the labour market before completing their training.

The proportion of long-term continuers for the 1994 cohort was twice that of the 1995 cohort

In 2004, 16% of apprentices in the 1994 cohort were still registered in an apprenticeship program; the corresponding proportion was less than one out of ten in 2005 for the 1995 cohort (8%). More than nine continuers out of ten (94%) in the 1994 cohort remained in the same program, compared to eight continuers out of ten (80%) in the 1995 cohort. More than one-third of continuers (39% and 36%) had never interrupted their training during the 11-year period. In addition, there were sizable decreases in continuation rates between cohorts in two major trade groups — the proportions of continuers in the electrical, electronics and

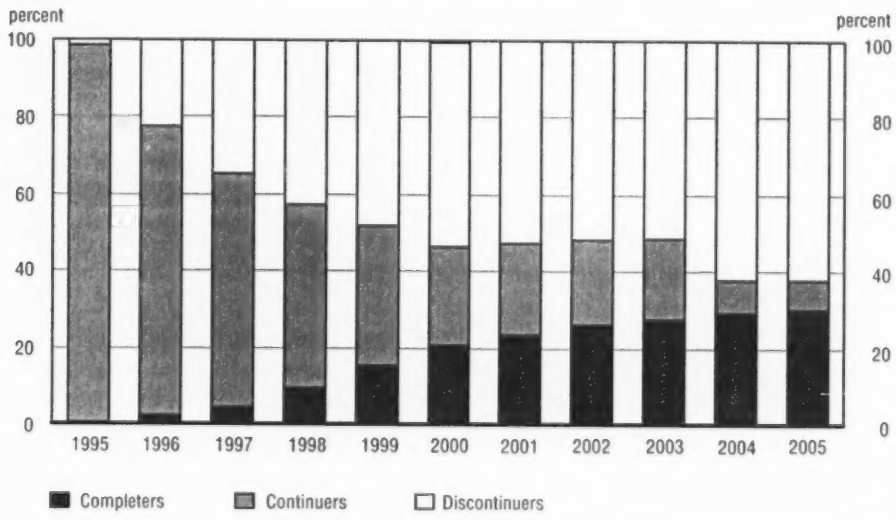
related trades as well as in the metal fabricating trades decreased by 15 percentage points, from 19% to 4% and 5%, respectively (Appendix tables A.1.4.2 and A.2.4.2).

Learning status over the 11-year period

The cumulative proportions of Quebec continuers, completers and discontinuers are shown in Chart 28 for the 1995 cohort. By the second year, the discontinuation rate reached 23%, while the percentage of completers did not reach this level until the seventh year. The proportion of completers grew by only four percentage points during the last four years, reaching 30%, while the proportion of discontinuers was at 53% by the end of the sixth year. There was also a sizable decrease in the proportions of continuers (from 21% to 9%), while the discontinuation rate continued to rise, reaching 62% by the eleventh year.

Chart 28

Learning status of registered apprentices over an 11-year period, Quebec (CCQ), 1995 cohort



Source: Statistics Canada, Registered Apprenticeship Information System.

Summary

In 1995, there were 3,449 new apprentices in Quebec compared to 3,249 in 1994. The electrical, electronics and related trades group accounted for the largest proportions of new apprentices in both cohorts (43% and 35%). The metal fabricating group in 1994 (22%) and the building construction group in 1995 (26%) ranked second.

Although Quebec apprentices obtained fairly low completion rates (22% and 30%), these were comparable to the rates for apprentices in the building construction group in most other provinces—especially Ontario and New Brunswick. The group showing the highest completion rates was the industrial and mechanical trades group at 47% and 52% for the 1994 and 1995 cohorts, respectively. At the end of the 11-year period, more than half of the refrigeration and air conditioning mechanics in the 1994 cohort (54%) and more than two-third in the 1995 cohort (65%) had completed an apprenticeship program.

For the 1994 cohort, the median length of time needed by completers to finish their program was six years, whereas it was five years for the 1995 cohort.

About seven completers out of ten (71% and 67%) had taken 50% or more time beyond the nominal duration of their program to complete.

Completion rates of apprentices in three-year programs were 32% and 34%; these were 13 and 5 percentage points above completion rates for apprentices in four-year programs.

Almost two-thirds of apprentices (62%) had become discontinuers by the end of both eleven-year periods.

6.2 Manitoba

In 1995, 751 persons were registered in an apprenticeship program in Manitoba, compared to 644 in 1994, an increase of 17%.[45]

As in Quebec, Manitoba had one of the lowest proportions of new female apprentices, at 2% and 1% in 1994 and 1995, respectively.

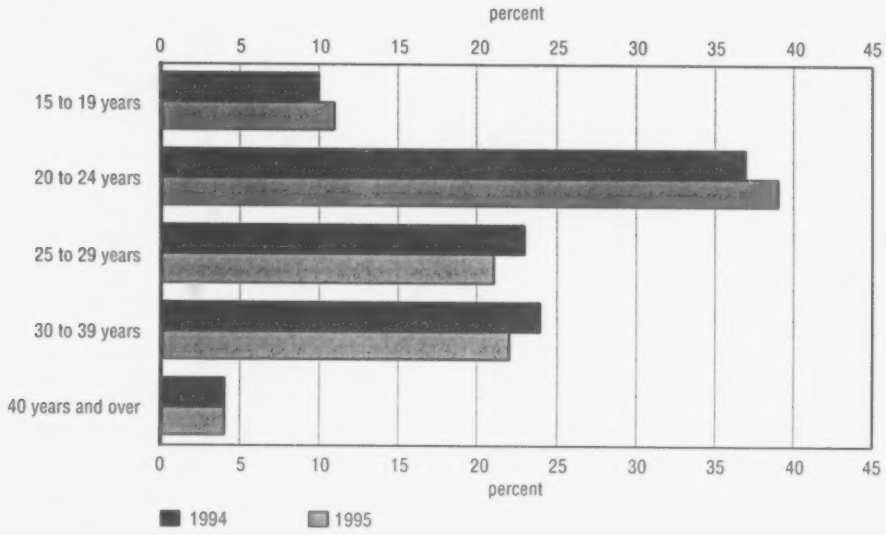
In Manitoba, as in other provinces, apprentices in the industrial and mechanical trades were the oldest

The age distribution of new apprentices in Manitoba was quite similar to that of the provinces overall for both cohorts (Chart 29). The only age group for which a difference was noted is the age 40 and over group, which accounted for 4% of new apprentices in both cohorts in Manitoba whereas the overall rate was 8% (1994) and 9% (1995). In Manitoba, as for the provinces overall, the 20 to 24 age group accounted for the largest proportions of new apprentices (37% and 39%).

The median age of new apprentices in the 1994 cohort was the same as for the set of provinces, namely age 25, and it was one year less for the 1995 cohort. In this province too, apprentices in the industrial and mechanical trades group, whose median age was 32 and 29 years, were the oldest (Appendix tables A.1.1.3 and A.2.1.3).

Chart 29

Distribution of new registered apprentices by age group at registration, Manitoba, 1994 and 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

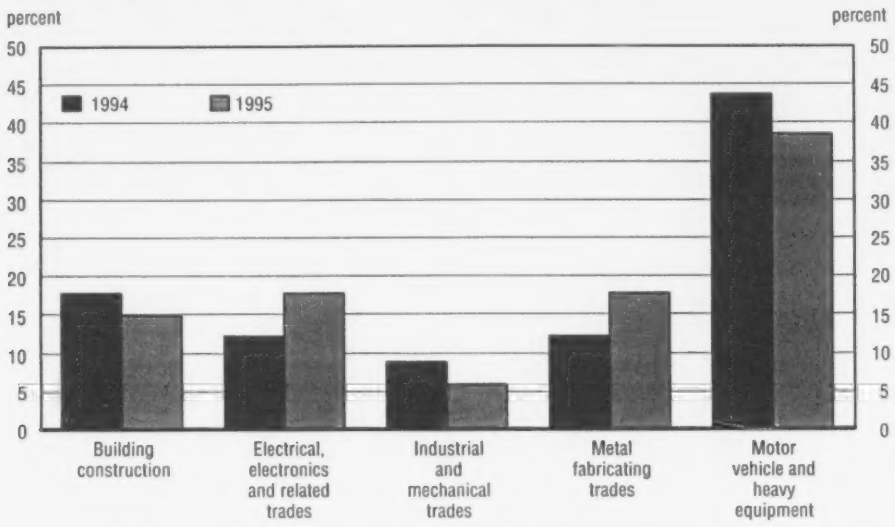
Motor vehicle and heavy equipment trades posted the highest proportions of new apprentices

As was the case for Ontario, the motor vehicle and heavy equipment group (44% and 38%) accounted for the largest proportions of new apprentices in both 1994 and 1995, with shares that were more than double those for the next most common trade group, building construction (18% and 15%).

The trades of heavy duty equipment mechanic technician and automotive service technician (17%, each trade) received the most new starters in the 1994 cohort. In 1995, the construction electrician and heavy duty equipment mechanic technician trades ranked second at 16% each. In third place was the carpenter trade with shares of about 12% (both cohorts) (Appendix tables A.1.1.1 and A.2.1.1).

Chart 30

Distribution of new apprentices by major trade group, Manitoba, 1994 and 1995 cohorts



Note: Results for the Food and service trades are suppressed to meet the confidentiality requirements of the *Statistics Act*.

Source: Statistics Canada, Registered Apprenticeship Information System.

More than nine out of ten apprentices in Manitoba were registered in a Red Seal program

In Manitoba, more than nine new apprentices out of ten (92% and 95%) were registered in a Red Seal program, which is five and ten percentage points greater than the proportions for the provinces overall (87% and 85%). This is especially the case for the 1995 cohort, where the proportions varied between 91% and 100%. The motor vehicle and heavy equipment group in this cohort accounted for the lowest proportion of apprentices registered in a Red Seal program (91%), while for the other trade groups, the proportions were 99% and 100%.

For the 1994 cohort, all apprentices in the industrial and mechanical trades group as well as the metal fabricating trades group were studying in a Red Seal designated program, while the electrical, electronics and related trades group posted the lowest proportion at 81% (Appendix tables A.1.1.6 and 2.1.6).

Manitoba posted higher completion rates than the six provinces overall

Close to two-thirds of Manitoba apprentices (64% and 61%) completed their training within the 11-year period. These were the highest completion rates of any province and at least ten percentage points higher than the proportions for the provinces overall (Chart 31).

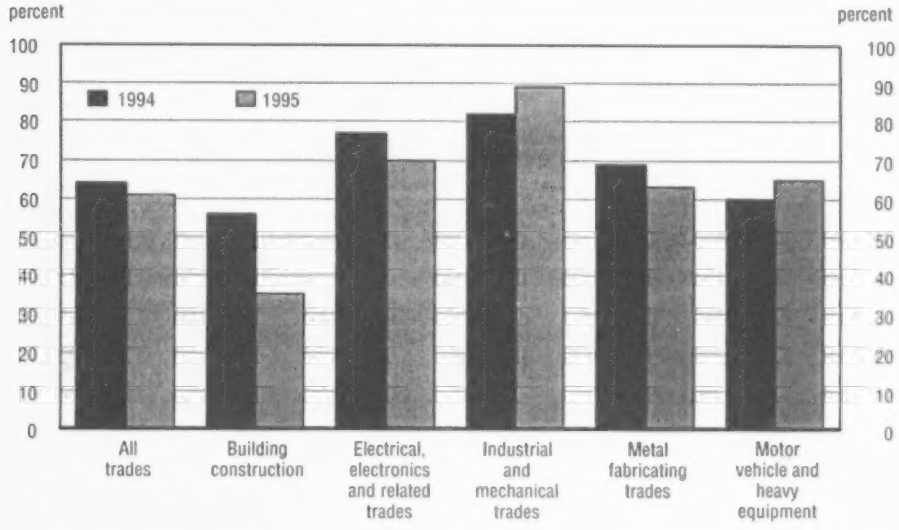
More than eight apprentices out of ten in the industrial and mechanical trades group completed their program (82% and 89%). This group was followed by the electrical, electronics and related trades group, at 77% and 70%.

Completion rates were similar in the two cohorts for most major trade groups, except for the building construction group where the rate fell by 21 percentage points (56% to 35%).

Very few Manitoba completers interrupted their training; the rate of completion without interruption was 98% for both cohorts. The proportion of completers who had completed the program in which they had initially registered (90%) was only slightly lower than for the provinces overall (96% and 95%) (Appendix tables A.1.2.4 and A.2.2.4).

Chart 31

Completion rates by major trade group, Manitoba, 1994 and 1995 cohorts



Note: Results for the Food and service trades are suppressed to meet the confidentiality requirements of the *Statistics Act*.

Source: Statistics Canada, Registered Apprenticeship Information System.

About nine out of ten industrial mechanic-millwrights (90% and 92%) completed their program. Completion rates varied from one cohort to the other for some of the trades selected (Table 20). For example, among motor vehicle body repairers, the proportion of completers jumped 25 percentage points from 43% to 68%, while among carpenters, the proportion of completers fell 18 percentage points (from 56% to 38%).

Table 20

Completion rates for specific trades, Manitoba, 1994 and 1995 cohorts

Trade	1994	1995
	percent	
Industrial mechanic-millwright	90	92
Heavy duty equipment mechanic technician	66	75
Construction electrician	73	68
Motor vehicle body repairer	43	68
Automotive service technician	62	62
Plumber	61	55
Carpenter	56	38
All trades	**64**	**61**

Note: Trades are listed in descending order of the completion rates for the 1995 cohort.
Source: Statistics Canada, Registered Apprenticeship Information System.

In Manitoba, completion rates by age at time of registration in 1994 and 1995 were higher for each age group than for the provinces overall.[46]

Lower proportion of completers who had prolonged their training than for the six provinces overall

The proportions of completers in Manitoba who had prolonged their program was lower than the proportions for all the provinces combined (Appendix tables A.1.2.4 and A.2.2.4). Approximately one quarter of completers (26% and 23%) in Manitoba had taken a time of 50% or more beyond the nominal duration of the program to complete, whereas this was the case for nearly close to 40% of completers in the provinces overall (38%).

In both cohorts, the electrical, electronics and related trades group (36% and 43%) registered the largest proportions of completers prolonging their training; within that group, the percentages reached 49% and 45% for construction electricians. In contrast, fewer than one heavy equipment mechanic technician out of five (18%) in the 1994 cohort and fewer than one out of ten (8%) in the 1995 cohort extended their period of training beyond 50% more time than the nominal duration of the program to complete. For most selected trades, smaller proportions of completers in the 1995 cohort prolonged their training than those in the 1994 cohort.

Table 21

Completers who took a time of 50% or more beyond nominal duration to complete the program, specific trades, Manitoba, 1994 and 1995 cohorts

Trade	1994	1995
	percent	
Construction electrician	49	45
Automotive service technician	24	23
Carpenter	38	21
Heavy duty equipment mechanic technician	18	8
All trades	**26**	**23**

Note: Trades are listed in descending order of the proportions for the 1995 cohort.
Source: Statistics Canada, Registered Apprenticeship Information System.

As was the case for the six provinces overall, the median amount of time needed by completers to finish their program was five years for both cohorts.

In Manitoba, almost two-thirds of apprentices registered in a Red Seal program (64% and 63%) had completed their training; these proportions exceeded those for the provinces overall by 13 and 11 percentage points, respectively (Appendix tables A.1.2.8. and A.2.2.8).

Fewer discontinuers than for all provinces

As was the case for Ontario, smaller proportions of apprentices in Manitoba discontinued their program compared to the apprentices for the six provinces combined — approximately one-third of apprentices (34% and 35%) left their program, whereas four out of ten apprentices did so in the provinces overall (Appendix tables A.1.3.2 and A.2.3.2).

More than one-third of Manitoba discontinuers (34% and 40%) exceeded by 50% or more the prescribed duration of the program before leaving it; this is comparable to the results posted for the six provinces overall.

Discontinuers' median age at the time of registration was 26 for the 1994 cohort and 25 for the 1995 cohort; this was one year older than for completers (Appendix tables A.1.3.3 and A.2.3.3).

Finally, discontinuers in the 1994 cohort spent a median time of five years in the program before leaving, whereas those in the 1995 cohort spent a median time of four years.

Continuers

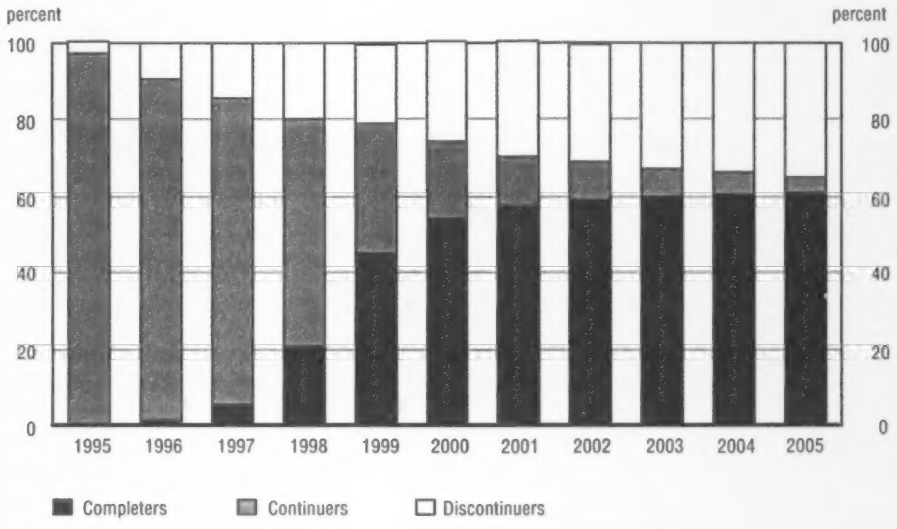
Very few Manitoba apprentices (2% and 4%) were still registered in an apprenticeship program at the end of the 11-year period (Appendix tables A.1.4.1 and A.2.4.1).

Learning status over the 11-year period

Trends in the proportions of continuers, completers and discontinuers for the 1995 cohort were somewhat different from that observed for the provinces overall. During the first three years, the increase in the completion rate was small. In fact, at the end of the third year, the proportion of discontinuers (14%) was three times the proportion of completers (5%). However, by the end of the fourth year, the completion rate (21%) equalled the discontinuation rate (20%), and then jumped 24 percentage points the following year (45%), and reaching 54% by the end of the sixth year. Indeed, the increase in the proportion of completers between the fourth and fifth years was the largest for any province, reflecting the fact that Manitoba had the highest completion rates and the lowest proportions of apprentices prolonging training. At the end of 2003, the completion rate reached 61%. The proportions of completers, continuers and discontinuers remained stable for the last three years.

Chart 32

Learning status of registered apprentices over an 11-year period, Manitoba, 1995 cohort



Source: Statistics Canada, Registered Apprenticeship Information System.

Summary

In 1995, 751 persons were registered in an apprenticeship program in Manitoba, compared to 644 in 1994, an increase of 17%. The motor vehicle and heavy equipment group (44% and 38%) accounted for the largest proportions of new apprentices in both 1994 and 1995, with shares that were more than double those for the next most common trade group, building construction (18% and 15%). The trades of heavy duty equipment mechanic technician and automotive service technician (17%, each trade) received the most new starters in the 1994 cohort. In 1995, the construction electrician and heavy duty equipment mechanic technician trades ranked second at 16%. In third place was the carpenter trade with shares at about 12% (both cohorts).

Close to two-thirds of Manitoba apprentices (64% and 61%) completed their training within the 11-year period. These were the highest completion rates of any province. More than eight apprentices out of ten in the industrial and mechanical trades group completed their program (82% and 89%). This group was followed by the electrical, electronics and related trades group, at 77% and 70%.

Lower proportion of completers had prolonged their training than for the six provinces overall; 26% and 23%, for the 1994 and 1995 cohort, respectively, compared to about 40%.

Smaller proportions of apprentices in Manitoba discontinued their program compared to the apprentices for the six provinces combined — approximately one-third of apprentices (34% and 35%) left their program, whereas four out of ten apprentices did so across the provinces overall.

6.3 British Columbia

The number of new registrations in British Columbia in 1994 and 1995 was relatively stable, at 5,223 and 5,181, respectively.

In contrast with the other provinces, two thirds of apprentices in the food and service group were men

Apprenticeship programs in British Columbia received few women in 1994 and 1995 (6%). As was the case for the six provinces overall, the trade group with the largest proportion of women was food and service. However, the proportions of men and women were reversed in British Columbia, with approximately two thirds of the apprentices in this group being men (Appendix tables A.1.1.1 and A.2.1.1). This was due in part to a higher number of new male apprentices in the hairdresser / hairstyling and cook trades compared to women.

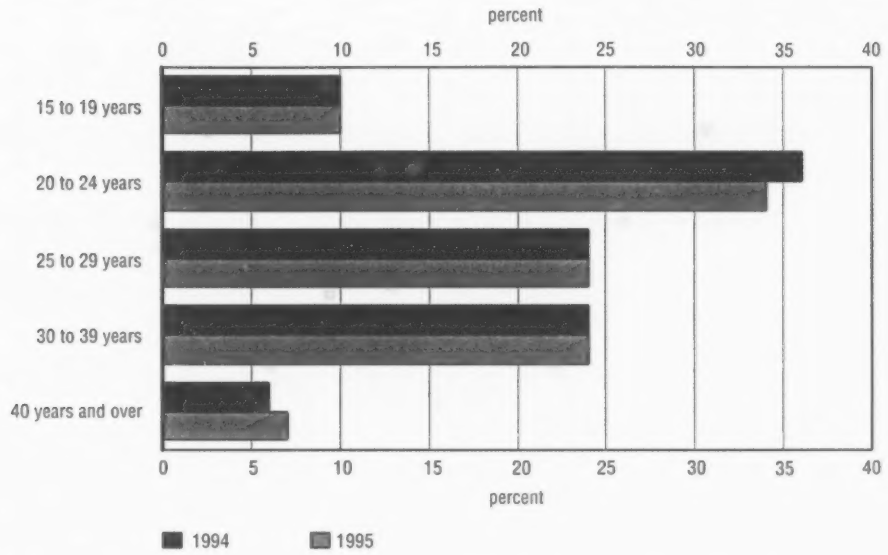
The distribution of newly registered apprentices by age group was comparable to that of the six-provinces overall

The median age of new apprentices in British Columbia was the same as the median age of apprentices in the six provinces combined, namely 25 years. As in most of the other provinces, apprentices in the industrial and mechanical trades group were the oldest, at 31 (1994 cohort) and 32 (1995 cohort), while those in the food and service group and the motor vehicle and heavy equipment group were the youngest at age 24 (Appendix tables A.1.1.3 and A.2.1.3).

The distribution of new-registered apprentices by age group was practically unchanged between 1994 and 1995, with the largest proportions, as in the provinces overall, falling into the 20 to 24 age group (36% and 34%). Both for the provinces overall and for British Columbia, the food and service group (42% in 1994 and 37% in 1995) as well as the motor vehicle and heavy equipment group (43% and 39%) had among the highest proportions of apprentices age 20 to 24. The industrial and mechanical trades group had the highest proportion of apprentices aged 30 and over at 58% and 59% for the 1994 and 1995 cohorts respectively. These proportions were at least 20 percentage points higher than those of the provinces overall (31% and 33%) (Chart 33 and Appendix tables A.1.1.2 and A.2.1.2).

Chart 33

Distribution of new registered apprentices by age group at registration, British Columbia, 1994 and 1995 cohorts



Note: Since apprentices whose age is unknown are excluded from this chart, the percentages may not sum to 100%.

Source: Statistics Canada, Registered Apprenticeship Information System.

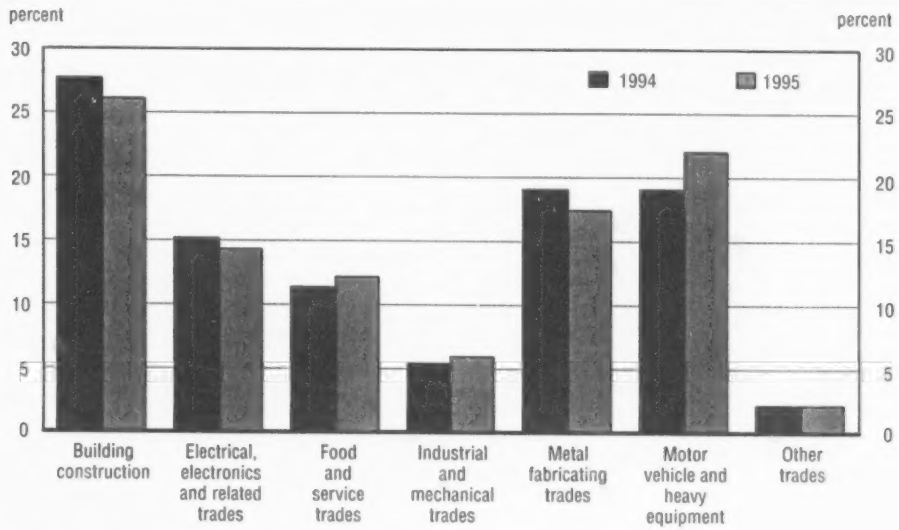
Building construction trades posted the highest proportions of new apprentices in British Columbia

Unlike the provinces overall, higher proportions of the 1994 and 1995 British Columbia apprentices registered in the building construction trades (28% and 26%) than in the motor vehicle and heavy equipment trades (19% and 22%). Apart from the "other trades" group, the trade group with the smallest proportions was industrial and mechanical trades (5% and 6%) (Chart 34).

In terms of specific trades, the carpenter and construction electrician trades accounted for the highest proportions of new registrants, at 15% and 14% respectively in 1994 and both trades at 13% in 1995. Although the automotive service technician trade received the most new apprentices in the provinces overall, it ranked third in British Columbia, accounting for 9% and 8% of new apprentices in 1994 and 1995, respectively; the plumber trade followed closely at 8% and 7% (Appendix tables A.1.1.2 and A.2.1.2).

Chart 34

Distribution of new apprentices by major trade group, British Columbia, 1994 and 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

Slightly more than half of apprentices completed an apprenticeship program

Completion rates for British Columbia apprentices were comparable to that of the six provinces overall, at 53% (1994 cohort) and 54% (1995 cohort). In this province as well, the industrial and mechanical trades posted the highest completion rates, at 71% and 74%. In British Columbia, as was the case in other provinces, this was the group with the smallest number of registered apprentices. The motor vehicle and heavy equipment trade (66% and 64%) ranked second.

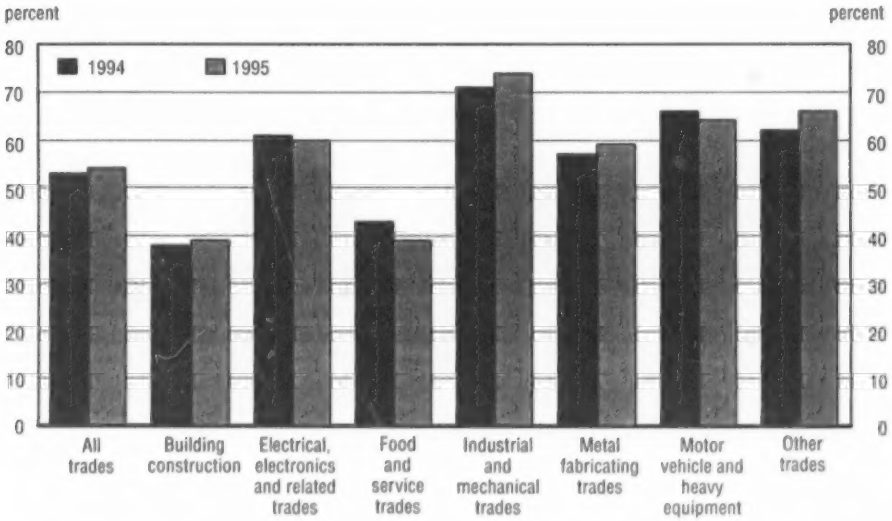
It is worth noting that in British Columbia, the building construction trade group, which accounted for the largest share of new registrants in 1994 and 1995, was also the one with the lowest completion rate. Results are similar for the provinces overall, where the completion rate for this group was 34%, a rate slightly lower than the rate in British Columbia, at 38% and 39% for the 1994 and 1995 cohorts, respectively.

The completion rates varied little between the two cohorts, with the rates changing by only one or two percentage points in most trade groups, rising to a four percentage-point difference in the case of the food and service group (at 43% to 39%) (Chart 35).

As in Manitoba, the proportion of completers in British Columbia who had never interrupted their training, at 96% was comparable to that of the provinces overall (93%) (Appendix tables A.1.2.4 and A.2.2.4).

Chart 35

Completion rates by major trade group, British Columbia, 1994 and 1995 cohorts



Source: Statistics Canada, Registered Apprenticeship Information System.

For both cohorts, approximately three out of four industrial mechanics-millwrights (73% and 78%) and similar proportions of heavy duty equipment mechanic technicians (68% and 72%) completed their program. These same trades obtained the highest completion rates in neighbouring Alberta as well as in Manitoba. Conversely, less than one plasterer out of five (19% and 16%) completed the program, and unlike in the provinces overall, apprentices in the hairdressers / hairstylist trade in British Columbia had among the lowest completion rates (20% and 25%) in the province.

However, completion rates for both industrial mechanics and hairdressers / hairstylists showed the strongest increase between the two cohorts, at five percentage points. The rates remained stable for plumbers at 58%. Cooks, for their part, saw a reduction in completion rates of six percentage points, from 46% to 40% (Table 22).

Table 22

Completion rates for specific trades, British Columbia, 1994 and 1995 cohorts

Trade	1994	1995
	percent	
Industrial mechanic-millwright	73	78
Heavy duty equipment mechanic technician	68	72
Automotive service technician	67	66
Truck and transport mechanic	62	63
Construction electrician	61	59
Plumber	58	58
Sheet metal worker	55	52
Carpenter	42	40
Cook	46	40
Roofer	35	38
Hairdresser / hairstylist	20	25
Plasterer	19	16
All trades	**53**	**54**

Note: Trades are listed in descending order of the completion rates for the 1995 cohort.
Source: Statistics Canada, Registered Apprenticeship Information System.

In British Columbia, completion rates did not necessarily diminish with age and were comparable across programs of different duration

Completion rates of apprentices according to their age when they registered in 1994 and 1995 differed slightly from the rates for the provinces overall. Older apprentices in British Columbia had a greater tendency to complete their training. As in Manitoba, completion rates for apprentices age 40 and over at the time of registration (48% and 52%) exceeded by 14 and 16 percentage points the rates for the corresponding age group in the six provinces overall. In British Columbia, completion rates of apprentices in this age group were comparable to those of apprentices age 25 to 29 and those age 30 to 39, whereas for all the provinces combined, 9 to 10 percentage points separated these age groups (Appendix tables A.1.2.1 and A.2.2.1).

The median age at time of registration of British Columbia completers was the same as for the provinces overall, namely age 25, for both cohorts (Appendix tables A.1.2.5 and A.2.2.5).

The proportions of completers in programs of a nominal duration of four years (55%) exceeded those of completers in two-year programs (48% and 52%) as well as those in three-year programs (45% and 44%). Here, as for a number of other provinces, the duration of the program did not seem to influence the completion rate (Appendix tables A.1.2.6 and A.2.2.6).

As in Manitoba, a smaller proportion of British Columbia completers (26% and 27%) took 50% or more time beyond the nominal duration of the program to complete than was the case for the six provinces overall (38%).

The trade groups with the largest proportions of completers prolonging their apprenticeship were the building construction group (30% and 33%), the industrial and mechanical group in the 1994 cohort (31%) and the food and service group in the 1995 cohort (32%). The group with the smallest proportions of completers to prolong their training was motor vehicle and heavy equipment (20% and 22%), in both cohorts (Appendix tables A.1.2.4 and A.2.2.4).

Some trades registered lower-than-average proportions of completers who exceeded the nominal program's duration. This was the case for carpenters (25% and 22%) and sheet metal workers (29% and 22%) for whom the proportions of apprentices who prolonged their training were 14 to 22 percentage points lower than their counterparts in the provinces overall. The situation was reversed in the case of hairdressers / hairstylists, for whom the proportions were more than one and a half times greater in British Columbia (82% and 81%) than in the provinces overall (47% and 48%).

Seven of the 12 selected trades registered comparable proportions for the two cohorts. However, there was an appreciable decrease in the rates of prolonged training for plasterers (eight percentage points) and sheet metal workers (seven percentage points), but a notable increase for heavy duty equipment mechanic technician (11 percentage points) (Table 23).

Table 23

Completers who took 50% or more time beyond nominal duration to complete the program, specific trades, British Columbia, 1994 and 1995 cohorts

	1994	1995
Trade	percent	
Hairdresser / hairstylist	82	81
Plasterer	47	39
Roofer	29	28
Construction electrician	28	28
Sheet metal worker	29	22
Carpenter	25	22
Truck and transport mechanic	17	22
Heavy duty equipment mechanic technician	10	21
Plumber	23	18
Industrial mechanic-millwright	15	17
Automotive service technician	16	15
Cook	14	13
All trades	**26**	**27**

Note: Trades are listed in descending order of the proportions for the 1995 cohort.
Source: Statistics Canada, Registered Apprenticeship Information System.

Completion rates in Red Seal trades were comparable to those of non-Red Seal trades

Completion rates in Red Seal designated trades (54% and 53%) and non-Red Seal trades (50% and 56%) were comparable (Appendix tables A.1.2.8, A.1.2.10, A.2.2.8 and A.2.2.10).

Building construction trades as well as food and service trades had the highest rates of discontinuation

Discontinuation rates for the 1994 and 1995 cohorts in British Columbia, at 46% were comparables to those for the provinces overall (Appendix tables A.1.3.2 and 2.3.2).

In both cohorts, 61% of apprentices in the building construction trades left their apprenticeship program before completing; the discontinuation rates were similar in the food and service group, with rates of 57% and 61%. These two groups stand out by the fact that their discontinuation rates exceeded the rates for the province by 11 and 15 percentage points. Trades contributing to these results included carpenters (56% and 60%), roofers (63% and 62%), plasterers (81% and 84%), hairdressers / hairstylists (80% and 75%) and cooks (53% and 60%).

In this province as well, the industrial and mechanical trades group had the lowest proportions of apprentices discontinuing their apprenticeship (27% and 26%).

British Columbia was also different from the other provinces in that it showed very small proportions of discontinuers who spent a time of 50% or more beyond the nominal duration before leaving their program, at 9% compared to 36% for discontinuers in the provinces overall (Appendix tables A.1.3.2 and A.2.3.2).

Furthermore, like Ontario, apprentices registered in two-year programs discontinued in larger proportions than those registered in four-year programs. Indeed, discontinuation rates for apprentices in four-year programs (44% and 45%) were eight and three percentage points below those of apprentices in two-year programs (52% and 48%) (Appendix tables A.1.3.4 and A.2.3.4).

The median age at registration of discontinuers was the same for both cohorts and comparable to that of the completers, that is 26 years (Appendix tables A.1.3.3 and A.2.3.3).

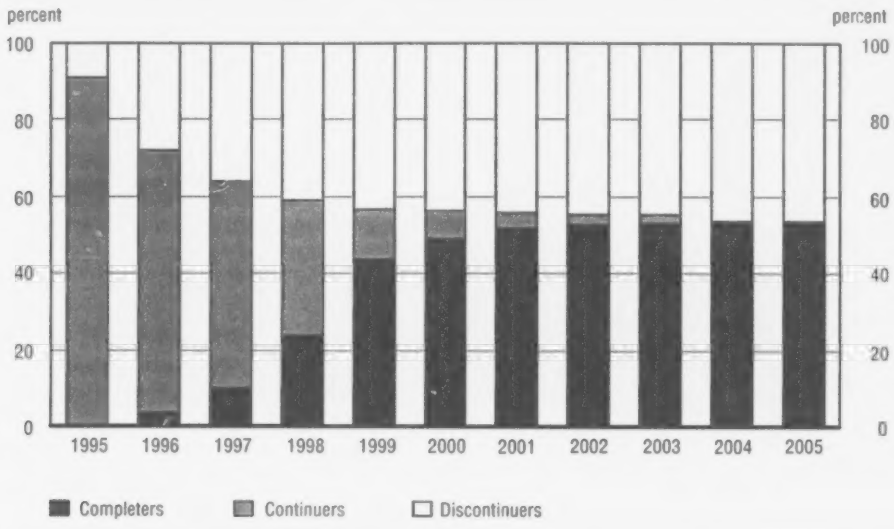
British Columbia discontinuers in both cohorts only stayed in their programs for a median duration of two years. Strong employment growth of 6.7% between 1994 and 1997 may have led some apprentices to leave their program to enter the labour market.[47]

Learning status over the 11-year period

The two cohorts exhibited the same pattern with respect to attrition in the proportion of continuers over the years and the increase in the proportions of completers and discontinuers. For example, in the 1995 cohort, the proportion of discontinuers grew quite rapidly, reaching 41% after four years. In comparison, the completion rate stagnated over the same period and reached only 24% by the end of the fourth year; however, the rate jumped 20 percentage points to reach 44% by the end of the fifth year, overtaking the discontinuation rate. Meanwhile, the proportion of continuers was only 7% at the end of the sixth year and there were practically none during the last two years. Between the sixth and the eleventh year, the proportion of completers grew two times faster than the proportion of discontinuers (five percentage points compared to two percentage points).

Chart 36

Learning status of registered apprentices over an 11-year period, British Columbia, 1995 cohort



Note: There were no continuers in the last two years (2004 and 2005).
Source: Statistics Canada, Registered Apprenticeship Information System.

Summary

The number of new registrations in British Columbia in 1994 and 1995 was relatively stable, at 5,223 and 5,181, respectively. Unlike the provinces overall, higher proportions of the 1994 and 1995 apprentices in British Columbia registered in the building construction trades (28% and 26%) than in the motor vehicle and heavy equipment trades (19% and 22%).

In contrast with other provinces, two thirds of apprentices in the food and service group were men.

Completion rates for British Columbia apprentices were comparable to those of the six provinces overall, at 53% (1994 cohort) and 54% (1995 cohort). The industrial and mechanical trades posted the highest completion rates, at 71% and 74%. For both cohorts, approximately three out of four industrial mechanics-millwrights (73% and 78%) and similar proportions of heavy duty equipment mechanic technicians (68% and 72%) completed their programs. These same trades obtained the highest completion rates in neighbouring Alberta as well as in Manitoba. Conversely, less than one plasterer out of five (19% and 16%) completed the program, and unlike the case for the provinces overall, apprentices in the hairdressers / hairstylist trade in British Columbia had among the lowest completion rates (20% and 25%) in the province.

The proportions of completers in programs of a nominal duration of four years (55%) exceeded those of completers in two-year programs (48% and 52%) as well as those in three-year programs (45% and 44%).

As in Manitoba, a smaller proportion of British Columbia completers (26% and 27%) took 50% or more time beyond the nominal duration of the program to complete than was the case for the six provinces overall (38%).

Discontinuation rates for the 1994 and 1995 cohorts in British Columbia, at 46% were comparables to those for the provinces overall.

7. Conclusion

A highly qualified workforce and a sufficient supply of workers in the skilled trades are two essential prerequisites for ensuring that Canada's trades sector remains highly competitive and continues to contribute to the country's economic growth. Apprenticeship is one of the most important mechanisms to achieve these two objectives.

Accordingly, the completion rates and completion patterns of apprentices are two research areas of importance for apprenticeship stakeholders. This study showed that the outcomes for apprentices who first registered in 1994 and 1995 were generally similar at the end of the eleven-year study period for each cohort.

Overall, approximately half of the persons newly registered in an apprenticeship program in 1994 and 1995 completed their training. As in previous cohorts, the industrial and mechanical trades group consistently had above-average completion rates in each of the six provinces. The building construction trades group had the lowest rates in all provinces except Quebec (CCQ).

Six apprentices in ten pursued a program with a nominal duration of four years, and it took completers a median time of five years to complete their apprenticeship program.

Overall, nominal program duration did not seem to influence the completion rate. The proportion of completers of four-year programs was comparable to that for two-year programs and even exceeded the proportion of completers in three-year programs.

Moreover, most completers—approximately 60%—took an amount of time equal to or less than 50% beyond the nominal duration of the program to complete it. Completers who were oldest at the time of registration were least likely to prolong their training. However, there appeared to be no explicit link between the completion rate in a trade and exceeding the time required to complete the program.

The analysis suggests that registration in the various apprenticeship programs is closely related to each province's economic conditions and training policies. The choice of a trade and the timing of registration are dependent on the economic cycle, since apprentices must find a sponsoring employer willing to hire them. In Ontario, New Brunswick and Manitoba, for example, trades in the motor vehicle and heavy equipment group received the most new apprentices in 1994 and 1995. In British Columbia, the building construction trades attracted the most apprentices. In Alberta, the largest proportion of new apprentices was in metal fabricating programs, while Quebec apprentices registered in great numbers in the electrical, electronics and related trades.

Just over four apprentices in ten left the apprenticeship program before completion. Discontinuers spent a median time of four years before leaving the program, which was one year less than the time taken by completers. As in the case of completion, no obvious link emerged between the discontinuation rate, the nominal duration of the program and staying beyond the nominal duration of the program before leaving. The Registered Apprenticeship Information System does not provide the reasons why apprentices leave their training. Since the discontinuers in these two cohorts left their program during a period of strong economic recovery between 1998 and 2000, it seems unlikely that discontinuing the program was related to a lack of work. The apprentice's personal and financial circumstances may have changed along the way, forcing him or her to abandon the training. In addition, further analysis would be needed to determine whether shortages of trades people or journeypersons to act as trainers or mentors contribute to discontinuation rates.

A comparative analysis of the cohorts of 1992-2002 to 1995-2005 for New Brunswick and Ontario showed that discontinuation rates in these two provinces decreased somewhat in the mid and late 1990s, decreasing from 47% to 42% in New Brunswick and from 45% to 35% in Ontario. In the case of Alberta, the rates remained stable at around 40% during the same period. These results suggest a link between provincial economic conditions and trends in the completion and discontinuation of apprenticeship programs. Research studies, focusing on subsequent cohorts in the six provinces covered here, could confirm this relationship.

Bibliography

1997. Annual Conference on Vocational and Technical Education. O'Grady, John, "Apprenticeship in Canada: issues and problems", Toronto: 18 octobre, 1997, 6 p.

2002. *Canada's Innovation Strategy*. "Knowledge matters: skills and learning for Canadians". http://www.hrsdc.gc.ca/eng/publications_resources/research/categories/llsd/2002/km_slc/toc.shtml (site accessed on February 25, 2009).

Akyeampong, Ernest B. "The Labour Market: Year-end Review." *Perspectives on Labour and Income*, supplement, Spring 1995, Catalogue no. 75-001E, Statistics Canada, 17 p.

Canadian Council of Directors of Apprenticeship (CCDA), 2003, *Annual report*. 14 p.

Canadian Apprenticeship Forum, 2004. *Accessing and Completing Apprenticeship Training in Canada – Perceptions of Barriers*. Consultation report. 66 p. http://www.caf-fca.org/en/ (site accessed on November 27, 2008).

Ménard, Marinka, Frank Menezes, Cindy K.Y. Chan et Merv Walker. 2007. *National Apprenticeship Survey: Canada Overview Report 2007*, Statistics Canada Catalogue no. 81-598X, Ottawa, 88 p.

O'Grady, John. 1997. *Apprenticeship in Canada: Issues and Problems*, based on remarks to the Annual conference of Vocational and Technical Education of the Canadian Vocational Association, York University, October 18, 1997, 6 p.

Pyper, Wendy. "Skilled trades employment", *Perspectives on Labour and Income*, vol. 9, no 10, October, Statistics Canada Catalogue no. 75-001. p.5-14.

Human Resources and Skills Development Canada. n.d. *Trades and apprenticeship*. http://www.hrsdc.gc.ca/eng/workplaceskills/trades_apprenticeship/index.shtml (site accessed on November 27 2008).

Sharpe, Andrew. December 16, 1999. *Apprenticeship in Canada: a Training System Under Siege?* (S.l.), CLFDB National Apprenticeship Committee, [59 p.].

Skof, Karl. 2006. "Trends in Registered Apprenticeship Training in Canada". *Education Matters*, vol. 3 n 2, Statistics Canada Catalogue no. 81-004XIE, Ottawa.

Statistics Canada. 2002. *National Graduates Survey (Class of 2000)* (master file).

Statistics Canada. *Table 051-0001: Estimates of population, by age group and sex on July 1, Canada, provinces and territories, annual*, CANSIM (database). http://cansim2.statcan.gc.ca

Statistics Canada. *Table 281-0024: Employment (SEPH), unadjusted for seasonal variation, by type of employee for selected industries classified using the North American Industry Classification System (NAICS), annual (persons)*, CANSIM (database). http://cansim2.statcan.gc.ca.

Statistics Canada. *Table 282-0002: Labour force survey estimates (LFS), by sex and detailed age group, annual*, CANSIM (database). http://cansim2.statcan.gc.ca.

Statistics Canada. *Table 282-0008: Labour force survey estimates (LFS), by North American Industry Classification System (NAIC), sex and age group, annual*, CANSIM (database). http://cansim2.statcan.gc.ca.

Endnotes

1. Pyper, Wendy. 2008. "Skilled trades employment", *Perspectives on Labour and Income*, vol. 9, no 10, Statistics Canada Catalogue no. 75-001
2. Under the recently amended Chapter 7 of the Agreement on Internal Trade (implemented on April 1st 2009), any worker certified for an occupation by a regulatory authority of one province or territory is to be certified for that occupation by all others.
3. There are other labour programs and agreements between specific provinces. For a list of such agreements, the reader may consult: http://www.ait-aci.ca/index_en/labour.htm
4. For a complete list of Quebec trades included in the study, please see Appendix 3.
5. For a complete list of the major trade groups and the trades associated with them, please see Appendix 3.
6. This category consists of various trades not classified elsewhere, such as: arborist, horticulture, landscape gardener and pool and spa installation and service technician.
7. Population figures drawn from: Statistics Canada. *Table 051-0001: Estimates of population, by age group and sex on July 1, Canada, provinces and territories, annual*, CANSIM (database). http://cansim2.statcan.gc.ca (site accessed on January 15, 2009).
8. Canadian Apprenticeship Forum, 2004, *Accessing and Completing Apprenticeship Training in Canada – Perceptions of Barriers*. Consultation report. http://www.caf-fca.org/en/ (site accessed on November 27, 2008).
9. National Graduate Survey (Class of 2000)
10. O'Grady, John. 1997. *Apprenticeship in Canada: Issues and Problems*, based on remarks to the Annual Conference of Vocational and Technical Education of the Canadian Vocational Association, York University, October 18, 1997, 6 p.
11. Ménard, Marinka, Frank Menezes, Cindy K.Y. Chan and Merv Walker. 2007. *National Apprenticeship Survey: Canada Overview Report 2007*, Statistics Canada Catalogue no. 81-598X, Ottawa, 88 p.
12. These results cover only programs bearing the Red Seal in 1994 or 1995, that is, at the time when the apprentice registered.
13. The journeyperson's certificate in the carpenter trade is voluntary everywhere except in Quebec.
14. Because of the small number of new apprentices with prior certification, more detailed analysis is not possible.
15. Canadian Council of Directors of Apprenticeship (CCDA), 2003, Annual Report.
16. According to the 2007 National Apprenticeship Survey (NAS), 20% of discontinuers had obtained their certificate of qualification; in other words, they had passed an examination to obtain a certificate qualifying them as a journeyperson and therefore had no need to continue in the program.
17. Ménard, Marynka, Frank Menezes, Cindy K.Y. Chan et Merv Walker. 2007. *National Apprenticeship Survey : Canada Overview Report 2007*, Statistics Canada Catalogue no. 81-598X, Ottawa, Ontario, 90 p.
18. Statistics Canada. *Table 282-0002: Labour force survey estimates (LFS), by sex and detailed age group, annual*, CANSIM (database). http://cansim2.statcan.gc.ca (site accessed on February 25, 2009).
19. Due to the small number of female apprentices in New Brunswick, an analysis by gender is not possible.
20. The analysis of Red Seal programs was not done for the 1992 and 1993 cohorts.
21. The number of completers who completed training in the initial program was not available for the 1992 cohort.
22. Due to the change in the way extension of training duration was measured, comparisons of these results with those of the 1992 and 1993 cohorts are not possible.
23. The median amount of time taken by completers in the 1992 cohort was not available.

24. Because of a change in definition, discontinuation rates in major trade groups in the 1994 and 1995 cohorts can not be compared to those of the 1992 and 1993 cohorts. Only the rates for the province overall are comparable.
25. Akyeampong, Ernest B. 1995. "The Labour Market: Year-end Review." *Perspectives on Labour and Income*, supplement, Spring 1995. Statistics Canada Catalogue no. 75-001E.
26. No analysis of Red Seal programs was done for the 1992 and 1993 cohorts.
27. The number of completers who finished their training in the initial program was not available for the 1992 cohort.
28. Statistics Canada. *Table 282-0002: Labour force survey estimates (LFS), by sex and detailed age group, annual*, CANSIM (database). http://cansim2.statcan.gc.ca (site accessed on February 25, 2009).
29. Statistics Canada. *Table 282-0008: Labour force survey estimates (LFS), by North American Industry Classification System (NAIC), sex and age group, annual*, CANSIM (database). http://cansim2.statcan.gc.ca (site accessed on December 9, 2009).
30. The native residential construction worker trade was excluded because of the low populations in the last cohorts.
31. The low numbers of registered apprentices in this trade for all four cohorts can result in large percentage changes in completion rates.
32. Ontario data on program duration for the 1992 cohort were not used for analysis in this section because of changes made to the processing of these variables between the 1992 cohort and subsequent cohorts.
33. Due to the change in the way extension of training duration was measured, comparisons of these results with those of the 1992 and 1993 cohorts are not possible.
34. Because of a change in definition, discontinuation rates in major trade groups in the 1994 and 1995 cohorts can not be compared to those of the 1992 and 1993 cohorts. Only the rates for the province overall are comparable.
35. Statistics Canada. *Table 281-0024 - Employment (SEPH), unadjusted for seasonal variation, by type of employee for selected industries classified using the North American Industry Classification System (NAICS), annual (persons)*, CANSIM (database). http://cansim2.statcan.gc.ca (accessed on December 11, 2009)
36. The number of completers who finished their training in the initial program was not available for the 1992 cohort.
37. Due to the change in the way extension of training duration was measured, comparisons of these results with those of the 1992 and 1993 cohorts are not possible.
38. The median duration for completers in the 1992 cohort was not available.
39. Because of the change in definition, discontinuation rates in major trade groups in the 1994 and 1995 cohorts can not be compared to those of the 1992 and 1993 cohorts. Only the rates for the province overall are comparable.
40. Please see Section "3. Data sources and Definitions."
41. The absence of trades from the food and service trade group in the data provided for Quebec resulted in one of the lower proportion of new female apprentices, at 2% for both cohorts.
42. The reader should keep in mind that the Registered Apprenticeship Information System has no information on apprentices from the automotive sector in this province.
43. In contrast to other provinces, two-year programs in Quebec (CCQ) had received fewer apprentices than one-year programs.
44. Statistics Canada. *Table 282-0002: Labour force survey estimates (LFS), by sex and detailed age group, annual*, CANSIM (database). http://cansim2.statcan.gc.ca (site accessed on February 25, 2009).
45. The reader should keep in mind that because of the small number of apprentices in some categories in Manitoba, significantly larger differences might be obtained in percentage terms than for the other provinces.
46. Due to the small number of apprentices in the 1994 and 1995 cohorts in Manitoba, more detailed analysis of completion rates by age group is not possible.
47. Statistics Canada. *Table 282-0002: Labour force survey estimates (LFS), by sex and detailed age group, annual*, CANSIM (database). http://cansim2.statcan.gc.ca (site accessed on April 29 2009).

Appendix 1

Standard tables, 1994 cohort

Table A.1.1.1
Distribution of new apprentices by sex, major trade group and province, 1994 cohort

Province and major trade group	Total	Male	Female
	number	percent	
All provinces			
Total population	**27,274**	**88**	**12**
Building construction	4,398	97	3
Electrical, electronics and related trades	4,092	97	3
Food and service trades	4,295	40	60
Industrial and related mechanical trades	1,944	99	1
Metal fabricating trades	5,502	99	1
Motor vehicle and heavy equipment	6,526	98	2
Other trades	517	82	18
New Brunswick			
Total population	**724**	**93**	**7**
Building construction	99	x	x
Electrical, electronics and related trades	106	100	0
Food and service trades	x	x	x
Industrial and related mechanical trades	108	100	0
Metal fabricating trades	118	100	0
Motor vehicle and heavy equipment	202	x	x
Other trades	x	x	x
Quebec (CCQ)			
Total population	**3,249**	**98**	**2**
Building construction	552	99	1
Electrical, electronics and related trades	1,403	97	3
Industrial and related mechanical trades	129	100	0
Metal fabricating trades	708	x	x
Motor vehicle and heavy equipment	457	95	5
Ontario			
Total population	**10,740**	**83**	**17**
Building construction	1,409	94	6
Electrical, electronics and related trades	951	97	3
Food and service trades	2,411	35	65
Industrial and related mechanical trades	807	98	2
Metal fabricating trades	1,895	98	2
Motor vehicle and heavy equipment	2,973	98	2
Other trades	294	86	14
Manitoba			
Total population	**644**	**98**	**2**
Building construction	114	100	0
Electrical, electronics and related trades	79	x	x
Food and service trades	x	x	x
Industrial and related mechanical trades	56	100	0
Metal fabricating trades	78	100	0
Motor vehicle and heavy equipment	282	x	x
Other trades	x	x	x
Alberta			
Total population	**6,694**	**87**	**13**
Building construction	775	97	3
Electrical, electronics and related trades	764	98	2
Food and service trades	1,185	39	61
Industrial and related mechanical trades	560	x	x
Metal fabricating trades	1,707	99	1
Motor vehicle and heavy equipment	1,614	97	3
Other trades	89	74	26

Table A.1.1.1 (concluded)

Distribution of new apprentices by sex, major trade group and province, 1994 cohort

Province and major trade group	Total	Male	Female
	number	percent	
British Columbia			
Total population	**5,223**	**94**	**6**
Building construction	1,449	98	2
Electrical, electronics and related trades	789	97	3
Food and service trades	594	63	37
Industrial and related mechanical trades	284	x	x
Metal fabricating trades	996	99	1
Motor vehicle and heavy equipment	998	98	2
Other trades	113	78	22

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.1.2

Distribution of new apprentices by age group at registration, main trade and province, 1994 cohort

Province and main trade	Number of apprentices	15 to 19 years	20 to 24 years	25 to 29 years	30 to 39 years	40 years and over
	number	percent				
All provinces						
Total population	**27,274**	**10**	**37**	**21**	**23**	**8**
Building construction, total	**4,398**	**8**	**31**	**22**	**27**	**12**
Bricklayer	192	7	35	26	24	7
Building service technician	365	x	x	17	40	36
Cabinet maker	97	18	25	14	30	9
Carpenter	2,133	11	36	22	23	7
Cement finisher	112	x	x	21	33	39
Drywall installer	36	x	42	17	22	x
Drywall mechanic	25	x	x	36	24	x
Floor covering installer	122	9	40	20	24	7
Glazier	46	x	35	33	28	x
Insulator installer heat and frost	66	x	26	32	27	x
Joiner	104	x	40	26	27	x
Painter and decorator	222	5	25	22	31	17
Plasterer	233	6	35	25	27	7
Roofer	204	x	29	23	33	x
Sawfitter / benchman (lumber manufacturing)	40	0	x	x	45	48
Tile setter	33	x	x	36	27	18
Woodworker	42	x	40	19	21	x
Other	326	6	31	26	25	11
Electrical, electronics and related trades, total	**4,092**	**9**	**38**	**21**	**23**	**7**
Appliance service technician-serviceman	45	x	22	24	36	x
Construction electrician	2,538	11	43	21	19	5
Electronics technician (consumer products)	37	0	24	24	32	16
Industrial electrician	1,199	8	31	19	29	12
Powerline technician	61	x	33	26	30	x
Other	212	5	25	30	29	9
Food and service trades, total	**4,295**	**11**	**42**	**19**	**19**	**8**
Assistant cook	36	x	19	x	36	28
Baker	229	8	31	24	26	11
Barber	31	x	39	x	26	x
Cook	1,326	10	42	21	20	6
Hairdresser / hairstylist	2,475	12	45	18	16	8
Locksmith	47	x	x	19	45	21
Meat cutter	32	x	47	22	x	0
Other	119	11	26	24	25	13

Table A.1.1.2 (continued)

Distribution of new apprentices by age group at registration, main trade and province, 1994 cohort

Province and main trade	Number of apprentices	15 to 19 years	20 to 24 years	25 to 29 years	30 to 39 years	40 years and over
	number	percent				
Industrial and related mechanical trades, total	**1,944**	**3**	**24**	**21**	**38**	**15**
Boilermaker	25	x	32	28	32	x
Industrial instrument mechanic	216	x	23	22	41	x
Industrial mechanic-millwright	920	3	17	20	42	19
Refrigeration and air conditioning mechanic	469	3	39	23	29	7
Sawfiler	25	x	x	0	48	48
Other	289	2	21	20	36	19
Metal fabricating trades, total	**5,502**	**10**	**37**	**23**	**23**	**7**
Gasfitter	62	x	21	x	39	24
Gasfitter (domestic and commercial)	40	x	40	18	30	x
Ironworker	87	x	34	26	26	x
Machinist	652	13	36	25	22	4
Moulder and engraver	236	21	45	21	x	x
Plumber	1,071	11	37	24	21	6
Reinforcing steel erector	64	x	33	20	30	x
Sheet metal worker	526	8	44	23	19	6
Sprinkler system installer	80	x	33	29	25	x
Steamfitter-pipefitter	908	6	31	21	29	13
Steel and plate worker	51	x	33	35	20	x
Steel fabricator	123	11	34	27	22	6
Tool and die maker	414	11	45	22	19	3
Welder	943	11	37	22	21	8
Other	245	6	28	24	33	9
Motor vehicle and heavy equipment, total	**6,526**	**13**	**40**	**20**	**20**	**6**
Agricultural equipment technician	88	30	44	17	x	x
Air-cooled and marine engine mechanic	42	x	38	14	29	x
Automotive service technician	3,286	16	46	20	15	3
Crane and hoist operator	499	8	15	18	36	22
Heavy duty equipment mechanic technician	809	10	38	20	24	6
Heavy duty equipment operator	87	x	16	x	39	32
Mobile crane operator	49	x	20	31	29	x
Motor vehicle body repairer	541	18	47	18	x	x
Motor vehicle painter	69	x	42	29	23	x
Motor vehicle steering suspension and brakes mechanic	89	x	46	25	18	x
Motor vehicle transmission mechanic	35	x	43	31	x	x
Motorcycle repair mechanic	34	x	35	38	x	0
Partsperson (industrial engine and equipment)	183	10	39	20	23	5
Power shovel operator	121	x	x	11	43	36
Recreation vehicle mechanic	36	x	x	x	47	22
Small equipment mechanic	67	15	33	21	21	10
Transport trailer technician	31	x	42	26	x	x
Truck and transport mechanic	155	9	45	22	19	5
Other	305	8	36	22	24	9
Other trades, total	**517**	**6**	**29**	**24**	**33**	**9**
Horticulture	42	x	x	24	33	19
Landscape gardener	242	5	30	24	31	9
Pool and spa installation	32	x	31	22	44	x
Other	201	7	29	24	33	7

Table A.1.1.2 (continued)

Distribution of new apprentices by age group at registration, main trade and province, 1994 cohort

Province and main trade	Number of apprentices	15 to 19 years	20 to 24 years	25 to 29 years	30 to 39 years	40 years and over
	number	percent				
New Brunswick						
Total population	**724**	**10**	**37**	**24**	**21**	**6**
Building construction, total	**99**	**x**	**35**	**29**	**19**	**x**
Carpenter	64	x	34	31	16	x
Other	35	x	37	26	26	x
Electrical, electronics and related trades, total	**106**	**x**	**34**	**26**	**21**	**x**
Construction electrician	73	19	37	25	x	x
Other	33	x	27	30	30	x
Food and service trades, total	**x**	**x**	**x**	**x**	**x**	**x**
Barber	31	x	39	x	26	x
Cook	44	x	34	20	x	20
Other	x	x	x	x	x	x
Industrial and related mechanical trades, total	**108**	**0**	**23**	**23**	**38**	**14**
Industrial mechanic-millwright	36	x	22	19	47	x
Other	72	0	24	25	33	15
Metal fabricating trades, total	**118**	**x**	**37**	**27**	**18**	**x**
Machinist	25	x	48	x	x	0
Plumber	37	x	30	30	22	x
Welder	34	x	41	29	x	0
Other	22	x	32	27	27	x
Motor vehicle and heavy equipment, total	**202**	**x**	**51**	**21**	**14**	**x**
Automotive service technician	103	x	58	20	11	x
Truck and transport mechanic	42	x	48	26	17	x
Other	57	x	42	18	19	x
Other trades, total	**x**	**x**	**x**	**x**	**x**	**x**
Other	x	x	x	x	x	x
Quebec (CCQ)						
Total population	**3,249**	**9**	**32**	**16**	**27**	**16**
Building construction, total	**552**	**11**	**25**	**16**	**26**	**22**
Bricklayer	25	x	x	24	24	x
Carpenter	302	15	28	12	25	21
Floor covering installer	26	x	x	23	38	x
Painter and decorator	59	x	19	x	25	34
Plasterer	25	x	x	x	36	x
Roofer	60	x	25	x	32	20
Other	55	x	24	x	24	24
Electrical, electronics and related trades, total	**1,403**	**9**	**41**	**17**	**24**	**10**
Construction electrician	405	8	62	14	12	4
Industrial electrician	998	9	32	18	28	12
Industrial and related mechanical trades, total	**129**	**x**	**48**	**16**	**26**	**x**
Refrigeration and air conditioning mechanic	98	x	55	17	21	x
Other	31	x	26	x	42	19
Metal fabricating trades, total	**708**	**8**	**31**	**16**	**30**	**15**
Reinforcing steel erector	29	x	x	x	41	24
Sheet metal worker	60	x	37	x	30	15
Steamfitter-pipefitter	560	8	32	18	27	14
Other	59	x	17	x	56	15
Motor vehicle and heavy equipment, total	**457**	**9**	**12**	**15**	**34**	**30**
Crane and hoist operator	245	15	13	20	28	24
Heavy duty equipment operator	x	x	x	x	x	x
Power shovel operator	121	x	x	11	43	36
Other	x	x	x	x	x	x

Table A.1.1.2 (continued)

Distribution of new apprentices by age group at registration, main trade and province, 1994 cohort

Province and main trade	Number of apprentices	15 to 19 years	20 to 24 years	25 to 29 years	30 to 39 years	40 years and over
	number	percent				
Ontario						
Total population	**10,740**	**10**	**39**	**21**	**21**	**8**
Building construction, total	**1,409**	**5**	**24**	**22**	**30**	**18**
Bricklayer	138	5	38	25	25	7
Building service technician	365	x	x	17	40	36
Carpenter	495	9	36	24	24	7
Cement finisher	64	x	x	x	30	56
Drywall mechanic	25	x	x	36	24	x
Floor covering installer	25	x	32	x	32	x
Painter and decorator	42	x	31	19	33	x
Plasterer	38	x	24	21	37	x
Roofer	46	x	28	33	28	x
Tile setter	33	x	x	36	27	18
Woodworker	42	x	40	19	21	x
Other	96	x	23	25	36	x
Electrical, electronics and related trades, total	**951**	**9**	**41**	**22**	**21**	**6**
Construction electrician	680	12	47	22	16	3
Industrial electrician	201	x	26	24	33	x
Powerline technician	34	x	29	26	35	x
Other	36	x	22	x	33	19
Food and service trades, total	**2,411**	**10**	**44**	**19**	**19**	**9**
Assistant cook	36	x	19	x	36	28
Baker	66	11	33	21	23	12
Cook	640	9	42	20	21	8
Hairdresser / hairstylist	1,625	10	46	19	18	8
Other	44	x	30	25	20	x
Industrial and related mechanical trades, total	**807**	**3**	**22**	**20**	**35**	**19**
Industrial mechanic-millwright	488	3	15	19	38	26
Refrigeration and air conditioning mechanic	230	4	39	25	29	3
Other	89	x	19	x	39	21
Metal fabricating trades, total	**1,895**	**12**	**42**	**25**	**17**	**4**
Ironworker	56	x	48	21	14	x
Machinist	373	15	37	25	20	3
Moulder and engraver	236	21	45	21	x	x
Plumber	351	11	44	24	14	6
Reinforcing steel erector	35	x	46	26	20	x
Sheet metal worker	207	7	46	24	18	5
Steamfitter-pipefitter	96	0	34	39	21	6
Steel and plate worker	51	x	33	35	20	x
Tool and die maker	414	11	45	22	19	3
Welder	30	x	30	27	20	x
Other	46	x	35	28	24	x
Motor vehicle and heavy equipment, total	**2,973**	**16**	**45**	**21**	**15**	**3**
Agricultural equipment technician	52	33	42	17	x	x
Air-cooled and marine engine mechanic (small engines)	42	x	38	14	29	x
Automotive service technician	2,146	17	46	20	14	3
Heavy duty equipment mechanic technician	100	8	34	18	33	7
Mobile crane operator	49	x	20	31	29	x
Motor vehicle body repairer	290	18	49	20	x	x
Motor vehicle painter	26	x	62	x	x	0
Motor vehicle steering suspension and brakes mechanic	89	x	46	25	18	x
Motor vehicle transmission mechanic	35	x	43	31	x	x
Motorcycle repair mechanic	34	x	35	38	x	0
Small equipment mechanic	67	15	33	21	21	10
Transport trailer technician	31	x	42	26	x	x
Other	12	x	x	x	x	x

Table A.1.1.2 (continued)

Distribution of new apprentices by age group at registration, main trade and province, 1994 cohort

Province and main trade	Number of apprentices	15 to 19 years	20 to 24 years	25 to 29 years	30 to 39 years	40 years and over
	number			percent		
Other trades, total	**294**	**5**	**34**	**22**	**31**	**7**
Horticulture	42	x	x	24	33	19
Landscape gardener	133	5	37	23	28	8
Pool and spa installation and service technician	32	x	31	22	44	x
Other	87	x	38	22	30	x
Manitoba						
Total population	**644**	**10**	**37**	**23**	**24**	**4**
Building construction, total	**114**	**11**	**35**	**23**	**25**	**5**
Carpenter	81	x	36	20	25	x
Other	33	x	33	30	24	x
Electrical, electronics and related trades, total	**79**	**8**	**34**	**32**	**23**	**0**
Construction electrician	62	10	42	29	19	0
Other	17	x	x	41	35	0
Food and service trades, total	**x**	**x**	**x**	**x**	**x**	**x**
Industrial and related mechanical trades, total	**56**	**x**	**x**	**18**	**52**	**16**
Industrial mechanic-millwright	30	0	x	x	70	x
Other	26	x	x	23	31	27
Metal fabricating trades, total	**78**	**9**	**26**	**24**	**29**	**8**
Plumber	33	x	27	18	33	x
Other	45	x	24	29	27	x
Motor vehicle and heavy equipment, total	**282**	**x**	**47**	**21**	**16**	**x**
Automotive service technician	108	15	48	22	12	0
Heavy duty equipment mechanic technician	110	x	45	17	24	x
Motor vehicle body repairer	35	x	54	20	x	0
Other	29	x	41	28	x	x
Other trades, total	**x**	**x**	**x**	**x**	**x**	**x**
Alberta						
Total population	**6,694**	**10**	**35**	**21**	**25**	**8**
Building construction, total	**775**	**10**	**33**	**23**	**23**	**8**
Cabinet maker	97	18	25	14	30	9
Carpenter	428	11	39	21	21	5
Cement finisher	48	x	x	40	38	17
Floor covering installer	28	21	46	x	x	x
Insulator installer heat and frost	66	x	26	32	27	x
Painter and decorator	44	x	20	23	32	x
Other	64	x	42	31	13	x
Electrical, electronics and related trades, total	**764**	**9**	**38**	**21**	**23**	**7**
Appliance service technician-serviceman	45	x	22	24	36	x
Construction electrician	611	10	41	20	22	6
Electronics technician (consumer products)	37	0	24	24	32	16
Powerline technician	27	x	37	26	22	x
Other	44	x	36	25	16	x
Food and service trades, total	**1,185**	**14**	**41**	**18**	**18**	**7**
Baker	99	x	30	26	30	x
Cook	355	9	41	23	21	4
Hairdresser / hairstylist	684	18	44	15	14	7
Locksmith	47	x	x	19	45	21
Industrial and related mechanical trades, total	**560**	**3**	**23**	**23**	**39**	**11**
Industrial instrument mechanic	216	x	23	22	41	x
Industrial mechanic-millwright	227	3	23	24	40	9
Refrigeration and air conditioning mechanic	77	x	23	23	34	x
Other	40	x	23	23	33	x

Table A.1.1.2 (continued)

Distribution of new apprentices by age group at registration, main trade and province, 1994 cohort

Province and main trade	Number of apprentices	15 to 19 years	20 to 24 years	25 to 29 years	30 to 39 years	40 years and over
	number	percent				
Metal fabricating trades, total	**1,707**	**9**	**34**	**22**	**25**	**9**
Gasfitter	62	x	21	x	39	24
Machinist	161	9	34	20	29	7
Plumber	246	12	32	22	24	8
Sheet metal worker	106	x	47	25	17	x
Steamfitter-pipefitter	225	x	26	22	36	x
Steel fabricator	29	x	21	28	31	x
Welder	843	11	36	22	21	8
Other	35	x	40	31	20	x
Motor vehicle and heavy equipment, total	**1,614**	**11**	**36**	**19**	**26**	**7**
Agricultural equipment technician	36	25	47	17	x	x
Automotive service technician	481	13	44	17	20	4
Crane and hoist operator	254	x	18	x	44	20
Heavy duty equipment mechanic technician	479	10	35	22	25	6
Motor vehicle body repairer	133	23	41	14	17	0
Partsperson (industrial engine and equipment)	158	11	38	20	24	5
Recreation vehicle mechanic	36	x	x	x	47	22
Other	37	x	41	22	22	x
Other trades, total	**89**	**7**	**17**	**25**	**37**	**13**
Landscape gardener	70	x	17	24	39	x
Other	19	x	x	x	32	x
British Columbia						
Total population	**5,223**	**10**	**36**	**24**	**24**	**6**
Building construction, total	**1,449**	**7**	**37**	**25**	**25**	**5**
Bricklayer	29	x	38	31	21	x
Carpenter	763	9	39	25	23	4
Drywall installer	36	x	42	17	22	x
Floor covering installer	43	x	53	23	16	x
Glazier	46	x	35	33	28	x
Joiner	104	x	40	26	27	x
Painter and decorator	77	x	29	29	32	x
Plasterer	170	6	39	27	23	5
Roofer	98	x	33	20	36	x
Sawfitter / benchman (lumber manufacturing)	40	0	x	x	45	48
Other	43	x	37	26	23	x
Electrical, electronics and related trades, total	**789**	**11**	**32**	**26**	**25**	**7**
Construction electrician	707	12	33	25	24	7
Other	82	x	24	37	32	x
Food and service trades, total	**594**	**14**	**42**	**20**	**17**	**7**
Baker	64	13	31	22	22	13
Cook	287	13	44	22	16	4
Hairdresser / hairstylist	166	17	43	17	13	9
Meat cutter	32	x	47	22	x	0
Other	45	x	31	x	27	18
Industrial and related mechanical trades, total	**284**	**4**	**20**	**18**	**44**	**14**
Boilermaker	25	x	32	28	32	x
Industrial mechanic-millwright	139	x	16	17	51	x
Refrigeration and air conditioning mechanic	64	x	30	23	33	x
Sawfiler	25	x	x	0	48	48
Other	31	x	23	19	39	x

Table A.1.1.2 (concluded)

Distribution of new apprentices by age group at registration, main trade and province, 1994 cohort

Province and main trade	Number of apprentices	15 to 19 years	20 to 24 years	25 to 29 years	30 to 39 years	40 years and over
	number			percent		
Metal fabricating trades, total	**996**	**10**	**36**	**26**	**24**	**4**
Gasfitter (domestic and commercial)	40	x	40	18	30	x
Ironworker	31	0	x	35	48	x
Machinist	93	x	33	31	20	x
Plumber	404	11	36	26	23	4
Sheet metal worker	153	8	42	24	18	7
Sprinkler system installer	80	x	33	29	25	x
Steamfitter-pipefitter	27	x	41	x	33	x
Steel fabricator	94	x	38	27	19	x
Welder	36	x	50	x	25	x
Other	38	x	26	29	32	x
Motor vehicle and heavy equipment, total	**998**	**12**	**43**	**22**	**20**	**4**
Automotive service technician	448	x	44	22	16	x
Heavy duty equipment mechanic technician	120	11	51	17	15	7
Motor vehicle body repairer	83	x	46	18	22	x
Motor vehicle painter	43	x	30	35	30	x
Partsperson (industrial engine and equipment)	25	x	44	24	x	x
Truck and transport mechanic	113	10	43	20	20	6
Other	166	4	34	23	28	10
Other trades, total	**113**	**7**	**21**	**28**	**36**	**7**
Landscape gardener	39	x	28	31	31	x
Other	74	x	18	27	39	x

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: Apprentices for whom the age is unknown are excluded from this table; therefore, percentages may not sum up to 100%.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.1.3

Median and mean age at registration of new apprentices by main trade and province, 1994 cohort

Province and main trade	Number of apprentices	Median age	Mean age
	number	years	
All provinces			
Total population	**27,124**	**25**	**27**
Building construction, total	**4,376**	**27**	**29**
Bricklayer	192	26	27
Building service technician	365	36	37
Cabinet maker	93	26	28
Carpenter	2,118	25	27
Cement finisher	112	36	38
Drywall installer	36	24	25
Drywall mechanic	25	29	31
Floor covering installer	122	25	27
Glazier	46	26	27
Insulator installer heat and frost	66	29	30
Joiner	104	25	27
Painter and decorator	221	29	31
Plasterer	233	26	28
Roofer	202	28	29
Sawfitter / benchman (lumber manufacturing)	40	39	38
Tile setter	33	29	31
Woodworker	42	23	26
Other	326	27	28

Table A.1.1.3 (continued)

Median and mean age at registration of new apprentices by main trade and province, 1994 cohort

Province and main trade	Number of apprentices	Median age	Mean age
	number	years	
Electrical, electronics and related trades, total	**4,075**	**25**	**27**
Appliance service technician-serviceman	45	28	31
Construction electrician	2,527	24	26
Electronics technician (consumer products)	36	30	32
Industrial electrician	1,198	27	29
Powerline technician	61	26	27
Other	208	28	29
Food and service trades, total	**4,269**	**24**	**26**
Assistant cook	36	33	33
Baker	229	27	28
Barber	30	23	26
Cook	1,314	24	26
Hairdresser / hairstylist	2,463	23	26
Locksmith	47	32	33
Meat cutter	32	23	24
Other	118	26	29
Industrial and related mechanical trades, total	**1,936**	**30**	**31**
Boilermaker	25	26	28
Industrial instrument mechanic	213	30	30
Industrial mechanic-millwright	918	32	32
Refrigeration and air conditioning mechanic	469	26	28
Sawfiler	25	39	39
Other	286	31	31
Metal fabricating trades, total	**5,468**	**25**	**27**
Gasfitter	62	32	32
Gasfitter (domestic and commercial)	40	25	26
Ironworker	87	26	27
Machinist	650	25	26
Moulder and engraver	235	23	24
Plumber	1,062	25	26
Reinforcing steel erector	64	28	29
Sheet metal worker	525	24	26
Sprinkler system installer	80	26	26
Steamfitter-pipefitter	903	27	29
Steel and plate worker	51	26	26
Steel fabricator	123	25	27
Tool and die maker	414	24	26
Welder	928	25	27
Other	244	27	29
Motor vehicle and heavy equipment, total	**6,484**	**24**	**26**
Agricultural equipment technician	88	21	22
Air-cooled and marine engine mechanic (small engines)	42	25	28
Automotive service technician	3,272	23	25
Crane and hoist operator	498	32	32
Heavy duty equipment mechanic technician	799	25	27
Heavy duty equipment operator	87	37	36
Mobile crane operator	49	28	29
Motor vehicle body repairer	534	22	24
Motor vehicle painter	69	25	26
Motor vehicle steering suspension and brakes mechanic	89	25	27
Motor vehicle transmission mechanic	35	23	24
Motorcycle repair mechanic	34	25	25
Partsperson (industrial engine and equipment)	180	25	26
Power shovel operator	121	36	37
Recreation vehicle mechanic	35	34	34
Small equipment mechanic	67	25	27
Transport trailer technician	31	26	28
Truck and transport mechanic	155	24	26
Other	299	26	28

Table A.1.1.3 (continued)

Median and mean age at registration of new apprentices by main trade and province, 1994 cohort

Province and main trade	Number of apprentices	Median age	Mean age
	number	years	
Other trades, total	**516**	**28**	**29**
Horticulture	42	31	31
Landscape gardener	241	27	29
Pool and spa installation and service technician	32	27	27
Other	201	28	29
New Brunswick			
Total population	**716**	**25**	**27**
Building construction, total	**98**	**25**	**26**
Carpenter	63	25	26
Other	35	25	27
Electrical, electronics and related trades, total	**106**	**26**	**26**
Construction electrician	73	23	25
Other	33	26	28
Food and service trades, total	**x**	**x**	**x**
Barber	30	23	26
Cook	44	27	29
Other	x	x	x
Industrial and related mechanical trades, total	**106**	**30**	**31**
Industrial mechanic-millwright	36	31	32
Other	70	30	31
Metal fabricating trades, total	**115**	**24**	**25**
Machinist	24	24	24
Plumber	37	25	26
Welder	33	22	24
Other	21	26	27
Motor vehicle and heavy equipment, total	**201**	**23**	**24**
Automotive service technician	103	22	24
Truck and transport mechanic	42	24	25
Other	56	23	25
Other trades, total	**x**	**x**	**x**
Quebec (CCQ)			
Total population	**3,249**	**27**	**29**
Building construction, total	**552**	**29**	**31**
Bricklayer	25	26	29
Carpenter	302	28	30
Floor covering installer	26	31	31
Painter and decorator	59	34	34
Plasterer	25	30	30
Roofer	60	30	31
Other	55	29	31
Electrical, electronics and related trades, total	**1,403**	**25**	**27**
Construction electrician	405	22	24
Industrial electrician	998	27	29
Industrial and related mechanical trades, total	**129**	**25**	**28**
Refrigeration and air conditioning mechanic	98	24	26
Other	31	32	33
Metal fabricating trades, total	**708**	**28**	**30**
Reinforcing steel erector	29	33	34
Sheet metal worker	60	27	29
Steamfitter-pipefitter	560	27	29
Other	59	33	32

Table A.1.1.3 (continued)

Median and mean age at registration of new apprentices by main trade and province, 1994 cohort

Province and main trade	Number of apprentices	Median age	Mean age
	number	years	
Motor vehicle and heavy equipment, total	**457**	**33**	**34**
Crane and hoist operator	245	30	32
Heavy duty equipment operator	x	x	x
Power shovel operator	121	36	37
Other	x	x	x
Ontario			
Total population	**10,736**	**25**	**27**
Building construction, total	**1,409**	**29**	**31**
Bricklayer	138	26	28
Building service technician	365	36	37
Carpenter	495	25	27
Cement finisher	64	42	42
Drywall mechanic	25	29	31
Floor covering installer	25	27	29
Painter and decorator	42	29	30
Plasterer	38	30	29
Roofer	46	28	29
Tile setter	33	29	31
Woodworker	42	23	26
Other	96	29	29
Electrical, electronics and related trades, total	**949**	**24**	**27**
Construction electrician	679	24	25
Industrial electrician	200	29	30
Powerline technician	34	28	28
Other	36	30	31
Food and service trades, total	**2,411**	**24**	**27**
Assistant cook	36	33	33
Baker	66	26	28
Cook	640	24	27
Hairdresser / hairstylist	1,625	24	26
Other	44	25	28
Industrial and related mechanical trades, total	**807**	**31**	**32**
Industrial mechanic-millwright	488	34	34
Refrigeration and air conditioning mechanic	230	26	27
Other	89	31	32
Metal fabricating trades, total	**1,894**	**24**	**26**
Ironworker	56	24	26
Machinist	373	24	25
Moulder and engraver	235	23	24
Plumber	351	24	25
Reinforcing steel erector	35	24	26
Sheet metal worker	207	24	26
Steamfitter-pipefitter	96	26	28
Steel and plate worker	51	26	26
Tool and die maker	414	24	26
Welder	30	26	29
Other	46	26	27
Motor vehicle and heavy equipment, total	**2,972**	**23**	**25**
Agricultural equipment technician	52	21	22
Air-cooled and marine engine mechanic (small engines)	42	25	28
Automotive service technician	2,145	23	25
Heavy duty equipment mechanic technician	100	26	28
Mobile crane operator	49	28	29
Motor vehicle body repairer	290	22	24
Motor vehicle painter	26	24	24
Motor vehicle steering suspension and brakes mechanic	89	25	27
Motor vehicle transmission mechanic	35	23	24

Table A.1.1.3 (continued)

Median and mean age at registration of new apprentices by main trade and province, 1994 cohort

Province and main trade	Number of apprentices	Median age	Mean age
	number	years	
Motorcycle repair mechanic	34	25	25
Small equipment mechanic	67	25	27
Transport trailer technician	31	26	28
Other	12	29	31
Other trades, total	**294**	**26**	**28**
Horticulture	42	31	31
Landscape gardener	133	26	28
Pool and spa installation and service technician	32	27	27
Other	87	26	27
Manitoba			
Total population	**628**	**25**	**26**
Building construction, total	**113**	**26**	**27**
Carpenter	80	25	26
Other	33	27	27
Electrical, electronics and related trades, total	**76**	**26**	**26**
Construction electrician	62	24	25
Other	14	29	29
Food and service trades, total	**x**	**x**	**x**
Industrial and related mechanical trades, total	**56**	**32**	**32**
Industrial mechanic-millwright	30	32	32
Other	26	32	32
Metal fabricating trades, total	**75**	**26**	**28**
Plumber	30	27	28
Other	45	25	28
Motor vehicle and heavy equipment, total	**274**	**23**	**25**
Automotive service technician	105	23	24
Heavy duty equipment mechanic technician	109	24	26
Motor vehicle body repairer	35	22	24
Other	25	24	25
Other trades, total	**x**	**x**	**x**
Alberta			
Total population	**6,578**	**25**	**27**
Building construction, total	**759**	**25**	**27**
Cabinet maker	93	26	28
Carpenter	417	24	26
Cement finisher	48	30	32
Floor covering installer	28	23	25
Insulator installer heat and frost	66	29	30
Painter and decorator	43	30	31
Other	64	25	26
Electrical, electronics and related trades, total	**752**	**25**	**27**
Appliance service technician-serviceman	45	28	31
Construction electrician	601	24	26
Electronics technician (consumer products)	36	30	32
Powerline technician	27	25	26
Other	43	25	27
Food and service trades, total	**1,162**	**24**	**26**
Baker	99	27	29
Cook	344	24	26
Hairdresser / hairstylist	672	22	25
Locksmith	47	32	33

Table A.1.1.3 (continued)

Median and mean age at registration of new apprentices by main trade and province, 1994 cohort

Province and main trade	Number of apprentices	Median age	Mean age
	number	years	
Industrial and related mechanical trades, total	**554**	**30**	**30**
Industrial instrument mechanic	213	30	30
Industrial mechanic-millwright	225	29	30
Refrigeration and air conditioning mechanic	77	30	31
Other	39	29	30
Metal fabricating trades, total	**1,680**	**26**	**28**
Gasfitter	62	32	32
Machinist	160	27	28
Plumber	240	26	27
Sheet metal worker	105	24	26
Steamfitter-pipefitter	220	29	30
Steel fabricator	29	28	32
Welder	829	25	27
Other	35	26	27
Motor vehicle and heavy equipment, total	**1,583**	**25**	**27**
Agricultural equipment technician	36	22	23
Automotive service technician	471	23	25
Crane and hoist operator	253	32	33
Heavy duty equipment mechanic technician	470	25	27
Motor vehicle body repairer	126	22	24
Partsperson (industrial engine and equipment)	155	24	26
Recreation vehicle mechanic	35	34	34
Other	37	23	26
Other trades, total	**88**	**30**	**31**
Landscape gardener	69	30	30
Other	19	31	32
British Columbia			
Total population	**5,217**	**25**	**27**
Building construction, total	**1,445**	**26**	**27**
Bricklayer	29	25	25
Carpenter	761	25	26
Drywall installer	36	24	25
Floor covering installer	43	24	25
Glazier	46	26	27
Joiner	104	25	27
Painter and decorator	77	27	29
Plasterer	170	26	27
Roofer	96	28	28
Sawfitter / benchman (lumber manufacturing)	40	39	38
Other	43	25	27
Electrical, electronics and related trades, total	**789**	**26**	**27**
Construction electrician	707	26	27
Other	82	28	29
Food and service trades, total	**593**	**24**	**26**
Baker	64	27	28
Cook	286	24	25
Hairdresser / hairstylist	166	23	26
Meat cutter	32	23	24
Other	45	27	30
Industrial and related mechanical trades, total	**284**	**31**	**31**
Boilermaker	25	26	28
Industrial mechanic-millwright	139	33	32
Refrigeration and air conditioning mechanic	64	26	29
Sawfiler	25	39	39
Other	31	31	30

Table A.1.1.3 (concluded)

Median and mean age at registration of new apprentices by main trade and province, 1994 cohort

Province and main trade	Number of apprentices	Median age	Mean age
	number	years	
Metal fabricating trades, total	**996**	**25**	**27**
Gasfitter (domestic and commercial)	40	25	26
Ironworker	31	31	30
Machinist	93	25	26
Plumber	404	25	26
Sheet metal worker	153	24	27
Sprinkler system installer	80	26	26
Steamfitter-pipefitter	27	25	28
Steel fabricator	94	24	25
Welder	36	22	26
Other	38	27	31
Motor vehicle and heavy equipment, total	**997**	**24**	**26**
Automotive service technician	448	23	24
Heavy duty equipment mechanic technician	120	24	25
Motor vehicle body repairer	83	23	25
Motor vehicle painter	43	26	27
Partsperson (industrial engine and equipment)	25	25	27
Truck and transport mechanic	113	24	27
Other	165	27	29
Other trades, total	**113**	**29**	**29**
Landscape gardener	39	27	29
Other	74	29	29

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: Apprentices for whom the age is unknown are excluded from this table.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.1.4

Distribution of new apprentices with prior trade certification at registration by major trade group and province, 1994 cohort

Province and major trade group	Total of registered apprentices	Prior trade certification at registration
	number	percent
All provinces		
Total population	**27,274**	**6**
Building construction	4,398	6
Electrical, electronics and related trades	4,092	4
Food and service trades	4,295	1
Industrial and related mechanical trades	1,944	14
Metal fabricating trades	5,502	7
Motor vehicle and heavy equipment	6,526	6
Other trades	517	1
New Brunswick		
Total population	**724**	**6**
Building construction	99	x
Electrical, electronics and related trades	106	6
Food and service trades	x	x
Industrial and related mechanical trades	108	24
Metal fabricating trades	118	x
Motor vehicle and heavy equipment	202	3
Other trades	x	x

Table A.1.1.4 (concluded)

Distribution of new apprentices with prior trade certification at registration by major trade group and province, 1994 cohort

Province and major trade group	Total of registered apprentices	Prior trade certification at registration
	number	percent
Quebec (CCQ)		
Total population	**3,249**	**16**
Building construction	552	34
Electrical, electronics and related trades	1,403	3
Industrial and related mechanical trades	129	16
Metal fabricating trades	708	13
Motor vehicle and heavy equipment	457	38
Ontario		
Total population	**10,740**	**x**
Building construction	1,409	x
Electrical, electronics and related trades	951	x
Food and service trades	2,411	x
Industrial and related mechanical trades	807	x
Metal fabricating trades	1,895	x
Motor vehicle and heavy equipment	2,973	x
Other trades	294	x
Manitoba		
Total population	**644**	**1**
Building construction	114	x
Electrical, electronics and related trades	79	x
Food and service trades	x	x
Industrial and related mechanical trades	56	x
Metal fabricating trades	78	x
Motor vehicle and heavy equipment	282	x
Other trades	x	x
Alberta		
Total population	**6,694**	**10**
Building construction	775	3
Electrical, electronics and related trades	764	12
Food and service trades	1,185	1
Industrial and related mechanical trades	560	30
Metal fabricating trades	1,707	14
Motor vehicle and heavy equipment	1,614	10
Other trades	89	x
British Columbia		
Total population	**5,223**	**4**
Building construction	1,449	2
Electrical, electronics and related trades	789	3
Food and service trades	594	2
Industrial and related mechanical trades	284	20
Metal fabricating trades	996	5
Motor vehicle and heavy equipment	998	6
Other trades	113	x

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.1.5

Characteristics of new apprentices with prior trade certification at registration, by province, 1994 cohort

Province	Number of apprentices with prior certification	Male	20 to 29 years old	30 to 39 years old	40 and over
	number	percent			
All provinces	**1,506**	**99**	**21**	**47**	**32**
New Brunswick	46	100	22	59	17
Quebec (CCQ)	517	100	14	43	43
Manitoba	9	100	x	67	x
Alberta	702	99	23	50	28
British Columbia	232	97	29	48	22

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: Apprentices for whom the age is unknown are excluded from this table; therefore, percentages may not sum up to 100%.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.1.6

Distribution of new apprentices registered in a Red Seal designated trade by major trade group and province, 1994 cohort

Province and major trade group	Total number of registered apprentices	Apprentices in a Red Seal trade
	number	percent
All provinces		
Total population	**27,274**	**87**
Building construction	4,398	81
Electrical, electronics and related trades	4,092	97
Food and service trades	4,295	94
Industrial and related mechanical trades	1,944	92
Metal fabricating trades	5,502	91
Motor vehicle and heavy equipment	6,526	82
Other trades	517	x
New Brunswick		
Total population	**724**	**85**
Building construction	99	100
Electrical, electronics and related trades	106	98
Food and service trades	x	x
Industrial and related mechanical trades	108	69
Metal fabricating trades	118	100
Motor vehicle and heavy equipment	202	86
Other trades	x	x
Quebec (CCQ)		
Total population	**3,249**	**84**
Building construction	552	95
Electrical, electronics and related trades	1,403	100
Industrial and related mechanical trades	129	99
Metal fabricating trades	708	94
Motor vehicle and heavy equipment	457	x

Table A.1.1.6 (concluded)

Distribution of new apprentices registered in a Red Seal designated trade by major trade group and province, 1994 cohort

Province and major trade group	Total number of registered apprentices	Apprentices in a Red Seal trade
	number	percent
Ontario		
Total population	**10,740**	**85**
Building construction	1,409	62
Electrical, electronics and related trades	951	98
Food and service trades	2,411	97
Industrial and related mechanical trades	807	91
Metal fabricating trades	1,895	82
Motor vehicle and heavy equipment	2,973	92
Other trades	294	x
Manitoba		
Total population	**644**	**92**
Building construction	114	96
Electrical, electronics and related trades	79	81
Food and service trades	x	x
Industrial and related mechanical trades	56	100
Metal fabricating trades	78	100
Motor vehicle and heavy equipment	282	95
Other trades	x	x
Alberta		
Total population	**6,694**	**91**
Building construction	775	99
Electrical, electronics and related trades	764	94
Food and service trades	1,185	96
Industrial and related mechanical trades	560	97
Metal fabricating trades	1,707	96
Motor vehicle and heavy equipment	1,614	81
Other trades	89	x
British Columbia		
Total population	**5,223**	**86**
Building construction	1,449	82
Electrical, electronics and related trades	789	94
Food and service trades	594	87
Industrial and related mechanical trades	284	89
Metal fabricating trades	996	93
Motor vehicle and heavy equipment	998	88
Other trades	113	x

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.2.1

Distribution of completers and median time spent in program, by age group at registration and province, 1994 cohort

Province and age group	Median duration for completers	Total number of registered apprentices	Completers
	years	number	percent
All provinces			
All age groups	**5**	**27,274**	**49**
15 to 19 years	5	2,719	55
20 to 24 years	5	10,005	55
25 to 29 years	4	5,760	49
30 to 39 years	4	6,353	44
40 years and over	4	2,283	34
New Brunswick			
All age groups	**5**	**724**	**51**
15 to 19 years	5	72	63
20 to 24 years	5	271	51
25 to 29 years	5	177	50
30 to 39 years	4	154	51
40 years and over	3	42	33
Quebec (CCQ)			
All age groups	**6**	**3,249**	**22**
15 to 19 years	6	279	28
20 to 24 years	6	1,052	33
25 to 29 years	5	532	23
30 to 39 years	5	880	15
40 years and over	6	506	8
Ontario			
All age groups	**4**	**10,740**	**49**
15 to 19 years	5	1,127	54
20 to 24 years	5	4,203	55
25 to 29 years	4	2,294	47
30 to 39 years	4	2,241	44
40 years and over	3	871	35
Manitoba			
All age groups	**5**	**644**	**64**
15 to 19 years	5	66	68
20 to 24 years	5	238	66
25 to 29 years	5	145	60
30 to 39 years	5	152	63
40 years and over	4	27	67
Alberta			
All age groups	**5**	**6,694**	**59**
15 to 19 years	5	667	69
20 to 24 years	5	2,335	63
25 to 29 years	5	1,375	58
30 to 39 years	4	1,664	53
40 years and over	4	536	48
British Columbia			
All age groups	**5**	**5,223**	**53**
15 to 19 years	5	508	53
20 to 24 years	5	1,906	57
25 to 29 years	5	1,237	52
30 to 39 years	4	1,262	51
40 years and over	4	301	48

Note: The age group totals in table may not sum up to the total population because of unknown age.
Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.2.2

Distribution of completers and median time spent in program by main trade and province, 1994 cohort

Province and main trade	Nominal program duration in jurisdiction	Median duration for completers	Total number of registered apprentices	Completers
	years		number	percent
All provinces				
Total population	...	**5**	**27,274**	**49**
Building construction, total	...	**5**	**4,398**	**34**
Bricklayer	2 to 4	5	192	17
Building service technician	2 to 4	3	365	42
Cabinet maker	4	5	97	34
Carpenter	3 to 4	5	2,133	35
Cement finisher	2 to 4	3	112	22
Drywall installer	3	5	36	17
Drywall mechanic	2	...	25	x
Floor covering installer	1 to 3	4	122	36
Glazier	4	5	46	52
Insulator installer heat and frost	4	5	66	35
Joiner	4	5	104	41
Painter and decorator	2 to 3	4	222	32
Plasterer	2 to 4	5	233	19
Roofer	1 to 3	4	204	35
Sawfitter / benchman (lumber manufacturing)	1 to 2	3	40	90
Tile setter	4	...	33	x
Woodworker	4	5	42	33
Other	...	5	326	32
Electrical, electronics and related trades, total	...	**5**	**4,092**	**46**
Appliance service technician-serviceman	3	4	45	56
Construction electrician	4 to 5	5	2,538	59
Electronics technician (consumer products)	4	4	37	38
Industrial electrician	4 to 5	5	1,199	16
Powerline technician	4	5	61	48
Other	...	4	212	56
Food and service trades, total	...	**3**	**4,295**	**55**
Assistant cook	1	...	36	x
Baker	3	4	229	49
Barber	2	3	31	65
Cook	3	4	1,326	38
Hairdresser / hairstylist	2	2	2,475	66
Locksmith	4	4	47	49
Meat cutter	3	4	32	56
Other	...	4	119	51
Industrial and related mechanical trades, total	...	**5**	**1,944**	**60**
Boilermaker	3	7	25	60
Industrial instrument mechanic	4	5	216	53
Industrial mechanic-millwright	3 to 5	5	920	61
Refrigeration and air conditioning mechanic	4	5	469	63
Sawfiler	1	2	25	88
Other	...	5	289	55
Metal fabricating trades, total	...	**5**	**5,502**	**53**
Gasfitter	2 to 3	3	62	66
Gasfitter (domestic and commercial)	2	3	40	58
Ironworker	3	5	87	53
Machinist	3 to 4	5	652	56
Moulder and engraver	3 to 4	5	236	54
Plumber	4 to 5	5	1,071	60
Reinforcing steel erector	1 to 2	5	64	19
Sheet metal worker	3 to 4	5	526	53
Sprinkler system installer	4	5	80	55
Steamfitter-pipefitter	3 to 4	5	908	27
Steel and plate worker	2	3	51	20

Table A.1.2.2 (continued)

Distribution of completers and median time spent in program by main trade and province, 1994 cohort

Province and main trade	Nominal program duration in jurisdiction	Median duration for completers	Total number of registered apprentices	Completers
	years		number	percent
Steel fabricator	3 to 4	5	123	59
Tool and die maker	4	5	414	65
Welder	2 to 5	4	943	64
Other	...	4	245	46
Motor vehicle and heavy equipment, total	...	5	6,526	54
Agricultural equipment technician	2 to 4	5	88	65
Air-cooled and marine engine mechanic (small engines)	2 to 3	3	42	40
Automotive service technician	2 to 4	5	3,286	59
Crane and hoist operator	1 to 3	3	499	23
Heavy duty equipment mechanic technician	4 to 5	5	809	64
Heavy duty equipment operator	1	3	87	31
Mobile crane operator	1 to 3	4	49	51
Motor vehicle body repairer	2 to 4	5	541	42
Motor vehicle painter	1 to 2	3	69	61
Motor vehicle steering suspension and brakes mechanic	1 to 2	3	89	34
Motor vehicle transmission mechanic	2	5	35	49
Motorcycle repair mechanic	2	4	34	53
Partsperson (industrial engine and equipment)	3	4	183	62
Power shovel operator	1	5	121	41
Recreation vehicle mechanic	2	3	36	58
Small equipment mechanic	2	3	67	39
Transport trailer technician	2	4	31	61
Truck and transport mechanic	4	5	155	60
Other	...	4	305	56
Other trades, total	...	4	517	34
Horticulture	2	...	42	x
Landscape gardener	2 to 4	5	242	30
Pool and spa installation and service technician	2	4	32	19
Other	...	4	201	49
New Brunswick				
Total population	...	5	724	51
Building construction, total	...	6	99	30
Carpenter	4	7	64	28
Other	...	5	35	34
Electrical, electronics and related trades, total	...	6	106	50
Construction electrician	5	7	73	47
Other	...	5	33	58
Food and service trades, total	...	...	x	x
Barber	2	3	31	65
Cook	3	4	44	30
Other	...	...	x	x
Industrial and related mechanical trades, total	...	5	108	65
Industrial mechanic-millwright	4	4	36	67
Other	...	5	72	64
Metal fabricating trades, total	...	5	118	57
Machinist	4	4	25	60
Plumber	4	5	37	54
Welder	3	5	34	68
Other	...	4	22	41
Motor vehicle and heavy equipment, total	...	5	202	49
Automotive service technician	4	5	103	47
Truck and transport mechanic	4	5	42	55
Other	...	4	57	49

Table A.1.2.2 (continued)

Distribution of completers and median time spent in program by main trade and province, 1994 cohort

Province and main trade	Nominal program duration in jurisdiction	Median duration for completers	Total number of registered apprentices	Completers
	years		number	percent
Other trades, total	...	...	x	x
Quebec (CCQ)				
Total population	...	6	3,249	22
Building construction, total	...	6	552	35
Bricklayer	3	6	25	52
Carpenter	3	6	302	30
Floor covering installer	1	4	26	35
Painter and decorator	3	7	59	32
Plasterer	3	7	25	32
Roofer	1	4	60	48
Other	...	6	55	38
Electrical, electronics and related trades, total	...	6	1,403	20
Construction electrician	4	7	405	46
Industrial electrician	4	4	998	9
Industrial and related mechanical trades, total	...	6	129	47
Refrigeration and air conditioning mechanic	4	6	98	54
Other	...	4	31	26
Metal fabricating trades, total	...	6	708	15
Reinforcing steel erector	1	5	29	31
Sheet metal worker	3	5	60	35
Steamfitter-pipefitter	4	6	560	10
Other	...	7	59	31
Motor vehicle and heavy equipment, total	...	5	457	18
Crane and hoist operator	1	5	245	2
Heavy duty equipment operator	...	...	x	x
Power shovel operator	1	5	121	41
Other	...	...	x	x
Ontario				
Total population	...	4	10,740	49
Building construction, total	...	3	1,409	23
Bricklayer	2	4	138	9
Building service technician	2 to 4	3	365	42
Carpenter	3	4	495	17
Cement finisher	2 to 4	...	64	x
Drywall mechanic	2	...	25	x
Floor covering installer	3	...	25	x
Painter and decorator	2	5	42	19
Plasterer	2 to 3	...	38	x
Roofer	3	6	46	17
Tile setter	4	...	33	x
Woodworker	4	5	42	33
Other	...	5	96	24
Electrical, electronics and related trades, total	...	6	951	58
Construction electrician	4	6	680	64
Industrial electrician	4 to 5	5	201	48
Powerline technician	4	5	34	29
Other	...	4	36	28
Food and service trades, total	...	3	2,411	54
Assistant cook	1	...	36	x
Baker	3	4	66	21
Cook	3	4	640	31
Hairdresser / hairstylist	2	2	1,625	66
Other	...	4	44	36

Table A.1.2.2 (continued)

Distribution of completers and median time spent in program by main trade and province, 1994 cohort

Province and main trade	Nominal program duration in jurisdiction	Median duration for completers	Total number of registered apprentices	Completers
	years		number	percent
Industrial and related mechanical trades, total	...	**5**	**807**	**54**
Industrial mechanic-millwright	3 to 5	5	488	51
Refrigeration and air conditioning mechanic	4	5	230	64
Other	...	4	89	45
Metal fabricating trades, total	...	**5**	**1,895**	**55**
Ironworker	3	5	56	59
Machinist	3 to 4	5	373	45
Moulder and engraver	3 to 4	5	236	54
Plumber	4	5	351	64
Reinforcing steel erector	2	...	35	x
Sheet metal worker	4	5	207	57
Steamfitter-pipefitter	3 to 4	5	96	51
Steel and plate worker	2	3	51	20
Tool and die maker	4	5	414	65
Welder	2 to 5	5	30	50
Other	...	4	46	41
Motor vehicle and heavy equipment, total	...	**5**	**2,973**	**53**
Agricultural equipment technician	4	5	52	62
Air-cooled and marine engine mechanic (small engines)	2 to 3	3	42	40
Automotive service technician	2 to 4	5	2,146	57
Heavy duty equipment mechanic technician	4	5	100	49
Mobile crane operator	1 to 3	4	49	51
Motor vehicle body repairer	2 to 3	5	290	34
Motor vehicle painter	1	3	26	31
Motor vehicle steering suspension and brakes mechanic	1 to 2	4	89	34
Motor vehicle transmission mechanic	2	5	35	49
Motorcycle repair mechanic	2	4	34	53
Small equipment mechanic	2	3	67	39
Transport trailer technician	2	4	31	61
Other	...	...	12	x
Other trades, total	...	**4**	**294**	**20**
Horticulture	2	...	42	x
Landscape gardener	2	3	133	15
Pool and spa installation and service technician	2	4	32	19
Other	...	5	87	37
Manitoba				
Total population	...	**5**	**644**	**64**
Building construction, total	...	**5**	**114**	**56**
Carpenter	4	5	81	56
Other	...	5	33	58
Electrical, electronics and related trades, total	...	**5**	**79**	**77**
Construction electrician	4	5	62	73
Other	...	4	17	94
Food and service trades, total	...	...	**x**	**x**
Industrial and related mechanical trades, total	...	**5**	**56**	**82**
Industrial mechanic-millwright	4	5	30	90
Other	...	5	26	73
Metal fabricating trades, total	...	**5**	**78**	**69**
Plumber	5	6	33	61
Other	...	4	45	76

Table A.1.2.2 (continued)

Distribution of completers and median time spent in program by main trade and province, 1994 cohort

Province and main trade	Nominal program duration in jurisdiction	Median duration for completers	Total number of registered apprentices	Completers
	years		number	percent
Motor vehicle and heavy equipment, total	...	5	282	60
Automotive service technician	4	5	108	62
Heavy duty equipment mechanic technician	4	5	110	66
Motor vehicle body repairer	4	4	35	43
Other	...	3	29	52
Other trades, total	...	...	x	x
Alberta				
Total population	...	5	6,694	59
Building construction, total	...	5	775	41
Cabinet maker	4	5	97	34
Carpenter	4	5	428	44
Cement finisher	3	3	48	48
Floor covering installer	2	3	28	61
Insulator installer heat and frost	4	5	66	35
Painter and decorator	3	4	44	45
Other	...	4	64	25
Electrical, electronics and related trades, total	...	5	764	59
Appliance service technician-serviceman	3	4	45	56
Construction electrician	4	5	611	61
Electronics technician (consumer products)	4	4	37	38
Powerline technician	4	5	27	70
Other	...	4	44	41
Food and service trades, total	...	3	1,185	63
Baker	3	4	99	58
Cook	3	4	355	44
Hairdresser / hairstylist	2	2	684	75
Locksmith	4	4	47	49
Industrial and related mechanical trades, total	...	5	560	61
Industrial instrument mechanic	4	5	216	53
Industrial mechanic-millwright	4	5	227	68
Refrigeration and air conditioning mechanic	4	5	77	68
Other	...	5	40	58
Metal fabricating trades, total	...	5	1,707	62
Gasfitter	2 to 3	3	62	66
Machinist	4	5	161	72
Plumber	4	5	246	59
Sheet metal worker	4	7	106	51
Steamfitter-pipefitter	4	5	225	55
Steel fabricator	3	4	29	55
Welder	3	4	843	65
Other	...	5	35	40
Motor vehicle and heavy equipment, total	...	5	1,614	60
Agricultural equipment technician	2	5	36	69
Automotive service technician	4	5	481	64
Crane and hoist operator	1 to 3	3	254	43
Heavy duty equipment mechanic technician	4	5	479	66
Motor vehicle body repairer	3	5	133	48
Partsperson (industrial engine and equipment)	3	4	158	60
Recreation vehicle mechanic	2	3	36	58
Other	...	5	37	65
Other trades, total	...	5	89	42
Landscape gardener	4	5	70	44
Other	...	4	19	32

Table A.1.2.2 (concluded)

Distribution of completers and median time spent in program by main trade and province, 1994 cohort

Province and main trade	Nominal program duration in jurisdiction	Median duration for completers	Total number of registered apprentices	Completers
	years		number	percent
British Columbia				
Total population	...	**5**	**5,223**	**53**
Building construction, total	...	**5**	**1,449**	**38**
Bricklayer	4	4	29	21
Carpenter	4	5	763	42
Drywall installer	3	5	36	17
Floor covering installer	3	5	43	35
Glazier	4	5	46	52
Joiner	4	5	104	41
Painter and decorator	3	4	77	31
Plasterer	4	5	170	19
Roofer	3	4	98	35
Sawfitter / benchman (lumber manufacturing)	1 to 2	3	40	90
Other	...	4	43	33
Electrical, electronics and related trades, total	...	**5**	**789**	**61**
Construction electrician	4	5	707	61
Other	...	4	82	67
Food and service trades, total	...	**4**	**594**	**43**
Baker	3	4	64	64
Cook	3	3	287	46
Hairdresser / hairstylist	2	3	166	20
Meat cutter	3	4	32	56
Other	...	3	45	60
Industrial and related mechanical trades, total	...	**5**	**284**	**71**
Boilermaker	3	7	25	60
Industrial mechanic-millwright	4	5	139	73
Refrigeration and air conditioning mechanic	4	5	64	66
Sawfiler	1	2	25	88
Other	...	6	31	74
Metal fabricating trades, total	...	**5**	**996**	**57**
Gasfitter (domestic and commercial)	2	3	40	58
Ironworker	3	4	31	42
Machinist	4	5	93	71
Plumber	4	5	404	58
Sheet metal worker	4	5	153	55
Sprinkler system installer	4	5	80	55
Steamfitter-pipefitter	4	5	27	59
Steel fabricator	4	5	94	61
Welder	3	4	36	44
Other	...	5	38	50
Motor vehicle and heavy equipment, total	...	**5**	**998**	**66**
Automotive service technician	4	5	448	67
Heavy duty equipment mechanic technician	4 to 5	5	120	68
Motor vehicle body repairer	4	4	83	59
Motor vehicle painter	2	3	43	79
Partsperson (industrial engine and equipment)	3	4	25	72
Truck and transport mechanic	4	5	113	62
Other	...	4	166	60
Other trades, total	...	**4**	**113**	**62**
Landscape gardener	4	5	39	54
Other	...	4	74	66

... not applicable

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.2.3

Characteristics of completers by age group at registration and province, 1994 cohort

Province and age group	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number		percent	
All provinces				
All age groups	**13,478**	**93**	**96**	**38**
15 to 19 years	1,506	92	93	46
20 to 24 years	5,494	93	95	40
25 to 29 years	2,830	94	96	33
30 to 39 years	2,820	94	97	33
40 years and over	772	95	98	35
New Brunswick				
All age groups	**367**	**92**	**89**	**41**
15 to 19 years	45	82	96	49
20 to 24 years	137	89	85	45
25 to 29 years	89	94	91	35
30 to 39 years	78	99	90	36
40 years and over	14	93	93	x
Quebec (CCQ)				
All age groups	**719**	**87**	**97**	**71**
15 to 19 years	79	89	95	81
20 to 24 years	342	92	99	70
25 to 29 years	124	81	97	64
30 to 39 years	136	82	96	72
40 years and over	38	84	97	84
Ontario				
All age groups	**5,270**	**95**	**96**	**39**
15 to 19 years	611	93	94	42
20 to 24 years	2,298	95	95	42
25 to 29 years	1,083	95	96	35
30 to 39 years	975	96	97	35
40 years and over	302	99	99	34
Manitoba				
All age groups	**409**	**98**	**90**	**26**
15 to 19 years	45	98	87	36
20 to 24 years	156	99	85	30
25 to 29 years	87	98	94	28
30 to 39 years	96	97	95	19
40 years and over	18	100	94	x
Alberta				
All age groups	**3,921**	**90**	**95**	**39**
15 to 19 years	457	89	92	51
20 to 24 years	1,471	88	94	43
25 to 29 years	804	92	96	35
30 to 39 years	888	91	96	32
40 years and over	257	93	96	33
British Columbia				
All age groups	**2,792**	**96**	**97**	**26**
15 to 19 years	269	95	93	38
20 to 24 years	1,090	96	96	26
25 to 29 years	643	97	97	21
30 to 39 years	647	95	99	25
40 years and over	143	92	99	31

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: The age group totals may not sum up to the total population because of unknown age.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.2.4
Characteristics of completers by main trade and province, 1994 cohort

Province and main trade	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took a time of 50% or more beyond nominal duration of program
	number		percent	
All provinces				
Total population	**13,478**	**93**	**96**	**38**
Building construction, total	**1,481**	**92**	**96**	**45**
Bricklayer	32	88	91	72
Building service technician	153	93	99	52
Cabinet maker	33	94	97	24
Carpenter	752	95	95	39
Cement finisher	25	88	96	x
Drywall installer	6	100	100	x
Drywall mechanic	x	x	x	x
Floor covering installer	44	89	95	75
Glazier	24	96	100	x
Insulator installer heat and frost	23	96	91	48
Joiner	43	100	95	x
Painter and decorator	71	94	97	49
Plasterer	44	95	91	57
Roofer	71	79	97	63
Sawfitter / benchman (lumber manufacturing)	36	56	92	89
Tile setter	x	x	x	x
Woodworker	14	93	93	x
Other	105	85	95	56
Electrical, electronics and related trades, total	**1,876**	**92**	**97**	**43**
Appliance service technician-serviceman	25	96	96	32
Construction electrician	1,499	91	98	47
Electronics technician (consumer products)	14	93	100	x
Industrial electrician	191	97	97	34
Powerline technician	29	93	100	24
Other	118	90	94	20
Food and service trades, total	**2,363**	**99**	**99**	**39**
Assistant cook	x	x	x	x
Baker	112	96	98	23
Barber	20	100	100	60
Cook	500	96	98	23
Hairdresser / hairstylist	1,625	100	100	45
Locksmith	23	96	91	x
Meat cutter	18	89	100	x
Other	x	x	x	x
Industrial and related mechanical trades, total	**1,161**	**92**	**96**	**30**
Boilermaker	15	93	93	100
Industrial instrument mechanic	114	83	96	34
Industrial mechanic-millwright	557	92	99	21
Refrigeration and air conditioning mechanic	294	98	98	37
Sawfiler	22	41	100	100
Other	159	95	86	32
Metal fabricating trades, total	**2,889**	**92**	**95**	**32**
Gasfitter	41	88	100	x
Gasfitter (domestic and commercial)	23	70	100	96
Ironworker	46	100	100	52
Machinist	364	93	96	19
Moulder and engraver	127	99	89	21
Plumber	642	93	94	31
Reinforcing steel erector	12	58	75	100
Sheet metal worker	277	94	94	51
Sprinkler system installer	44	100	95	30
Steamfitter-pipefitter	244	88	93	41
Steel and plate worker	10	90	100	90

Table A.1.2.4 (continued)

Characteristics of completers by main trade and province, 1994 cohort

Province and main trade	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took a time of 50% or more beyond nominal duration of program
	number		percent	
Steel fabricator	73	92	95	34
Tool and die maker	270	98	97	21
Welder	603	88	98	33
Other	113	92	96	37
Motor vehicle and heavy equipment, total	**3,530**	**93**	**92**	**38**
Agricultural equipment technician	57	88	53	58
Air-cooled and marine engine mechanic (small engines)	17	88	82	65
Automotive service technician	1,944	94	95	30
Crane and hoist operator	116	93	82	78
Heavy duty equipment mechanic technician	519	95	91	29
Heavy duty equipment operator	27	74	89	85
Mobile crane operator	25	96	92	52
Motor vehicle body repairer	226	89	91	47
Motor vehicle painter	42	88	93	62
Motor vehicle steering suspension and brakes mechanic	30	77	87	90
Motor vehicle transmission mechanic	17	94	88	94
Motorcycle repair mechanic	18	89	83	94
Partsperson (industrial engine and equipment)	113	98	97	34
Power shovel operator	50	82	98	96
Recreation vehicle mechanic	21	95	100	86
Small equipment mechanic	26	96	85	81
Transport trailer technician	19	74	89	95
Truck and transport mechanic	93	99	97	23
Other	170	94	89	37
Other trades, total	**178**	**96**	**97**	**33**
Horticulture	x	x	x	x
Landscape gardener	72	93	99	26
Pool and spa installation and service technician	6	100	100	x
Other	x	x	x	x
New Brunswick				
Total population	**367**	**92**	**89**	**41**
Building construction, total	**30**	**90**	**87**	**60**
Carpenter	18	89	83	61
Other	12	92	92	58
Electrical, electronics and related trades, total	**53**	**87**	**89**	**45**
Construction electrician	34	88	88	38
Other	19	84	89	58
Food and service trades, total	**x**	**x**	**x**	**x**
Barber	20	100	100	60
Cook	13	92	100	x
Other	x	x	x	x
Industrial and related mechanical trades, total	**70**	**97**	**81**	**41**
Industrial mechanic-millwright	24	100	100	29
Other	46	96	72	48
Metal fabricating trades, total	**67**	**84**	**91**	**36**
Machinist	15	93	100	x
Plumber	20	100	90	40
Welder	23	61	83	52
Other	9	89	100	x
Motor vehicle and heavy equipment, total	**99**	**94**	**89**	**34**
Automotive service technician	48	92	88	31
Truck and transport mechanic	23	100	100	39
Other	28	93	82	36

Table A.1.2.4 (continued)

Characteristics of completers by main trade and province, 1994 cohort

Province and main trade	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took a time of 50% or more beyond nominal duration of program
	number		percent	
Other trades, total	x	x	x	x
Quebec (CCQ)				
Total population	**719**	**87**	**97**	**71**
Building construction, total	**191**	**78**	**96**	**92**
Bricklayer	13	92	92	85
Carpenter	92	86	97	86
Floor covering installer	9	x	89	100
Painter and decorator	19	84	100	100
Plasterer	8	75	88	100
Roofer	29	52	100	100
Other	21	76	95	95
Electrical, electronics and related trades, total	**281**	**96**	**99**	**54**
Construction electrician	187	95	99	73
Industrial electrician	94	98	100	18
Industrial and related mechanical trades, total	**61**	**95**	**98**	**49**
Refrigeration and air conditioning mechanic	53	96	98	51
Other	8	88	100	x
Metal fabricating trades, total	**103**	**83**	**96**	**76**
Reinforcing steel erector	9	x	89	100
Sheet metal worker	21	76	100	71
Steamfitter-pipefitter	55	89	96	67
Other	18	94	94	94
Motor vehicle and heavy equipment, total	**83**	**78**	**94**	**93**
Crane and hoist operator	6	x	x	100
Heavy duty equipment operator	27	74	89	85
Power shovel operator	50	82	98	96
Ontario				
Total population	**5,270**	**95**	**96**	**39**
Building construction, total	**319**	**92**	**94**	**52**
Bricklayer	13	77	85	85
Building service technician	153	93	99	52
Carpenter	86	98	88	38
Cement finisher	x	x	x	x
Drywall mechanic	x	x	x	x
Floor covering installer	x	x	x	x
Painter and decorator	8	100	100	100
Plasterer	x	x	x	x
Roofer	8	88	75	75
Tile setter	x	x	x	x
Woodworker	14	93	93	x
Other	23	70	96	70
Electrical, electronics and related trades, total	**550**	**94**	**97**	**52**
Construction electrician	433	94	98	54
Industrial electrician	97	96	94	49
Powerline technician	10	100	100	x
Other	10	90	90	x
Food and service trades, total	**1,307**	**99**	**100**	**40**
Assistant cook	x	x	x	x
Baker	14	93	93	x
Cook	197	99	99	26
Hairdresser / hairstylist	1,076	100	100	43
Other	x	x	x	x

Table A.1.2.4 (continued)

Characteristics of completers by main trade and province, 1994 cohort

Province and main trade	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took a time of 50% or more beyond nominal duration of program
	number		percent	
Industrial and related mechanical trades, total	**437**	**96**	**97**	**23**
Industrial mechanic-millwright	250	94	98	16
Refrigeration and air conditioning mechanic	147	99	97	38
Other	40	98	93	18
Metal fabricating trades, total	**1,035**	**95**	**95**	**30**
Ironworker	33	100	100	55
Machinist	167	92	93	19
Moulder and engraver	127	99	89	21
Plumber	224	95	98	34
Reinforcing steel erector	x	x	x	x
Sheet metal worker	118	96	94	50
Steamfitter-pipefitter	49	88	96	47
Steel and plate worker	10	90	100	90
Tool and die maker	270	98	97	21
Welder	15	87	100	x
Other	x	x	x	x
Motor vehicle and heavy equipment, total	**1,562**	**93**	**94**	**40**
Agricultural equipment technician	32	88	75	34
Air-cooled and marine engine mechanic (small engines)	17	88	82	65
Automotive service technician	1,220	94	95	33
Heavy duty equipment mechanic technician	49	86	92	39
Mobile crane operator	25	96	92	52
Motor vehicle body repairer	98	91	94	55
Motor vehicle painter	x	x	x	x
Motor vehicle steering suspension and brakes mechanic	30	77	87	90
Motor vehicle transmission mechanic	17	94	88	94
Motorcycle repair mechanic	18	89	83	94
Small equipment mechanic	26	96	85	81
Transport trailer technician	19	74	89	95
Other	x	x	x	x
Other trades, total	**60**	**93**	**95**	**50**
Horticulture	x	x	x	x
Landscape gardener	20	80	95	60
Pool and spa installation and service technician	6	100	100	x
Other	x	x	x	x
Manitoba				
Total population	**409**	**98**	**90**	**26**
Building construction, total	**64**	**98**	**95**	**33**
Carpenter	45	98	96	38
Other	19	100	95	x
Electrical, electronics and related trades, total	**61**	**97**	**100**	**36**
Construction electrician	45	98	100	49
Other	16	94	100	0
Food and service trades, total	**x**	**x**	**x**	**x**
Industrial and related mechanical trades, total	**46**	**100**	**96**	**26**
Industrial mechanic-millwright	27	100	96	x
Other	19	100	95	37
Metal fabricating trades, total	**54**	**96**	**100**	**13**
Plumber	20	100	100	x
Other	34	94	100	18

Table A.1.2.4 (continued)

Characteristics of completers by main trade and province, 1994 cohort

Province and main trade	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took a time of 50% or more beyond nominal duration of program
	number		percent	
Motor vehicle and heavy equipment, total	**170**	**98**	**79**	**25**
Automotive service technician	67	99	99	24
Heavy duty equipment mechanic technician	73	100	55	18
Motor vehicle body repairer	15	93	93	x
Other	15	93	100	67
Other trades, total	**x**	**x**	**x**	**x**
Alberta				
Total population	**3,921**	**90**	**95**	**39**
Building construction, total	**321**	**95**	**94**	**36**
Cabinet maker	33	94	97	24
Carpenter	189	96	94	38
Cement finisher	23	87	96	x
Floor covering installer	17	94	100	82
Insulator installer heat and frost	23	96	91	48
Painter and decorator	20	100	90	x
Other	16	88	94	38
Electrical, electronics and related trades, total	**447**	**79**	**96**	**45**
Appliance service technician-serviceman	25	96	96	32
Construction electrician	371	77	96	49
Electronics technician (consumer products)	14	93	100	x
Powerline technician	19	89	100	x
Other	18	78	78	x
Food and service trades, total	**752**	**97**	**99**	**40**
Baker	57	95	98	37
Cook	157	92	96	26
Hairdresser / hairstylist	515	99	100	46
Locksmith	23	96	91	x
Industrial and related mechanical trades, total	**344**	**85**	**97**	**34**
Industrial instrument mechanic	114	83	96	34
Industrial mechanic-millwright	155	83	99	34
Refrigeration and air conditioning mechanic	52	94	98	29
Other	23	83	83	48
Metal fabricating trades, total	**1,058**	**88**	**95**	**34**
Gasfitter	41	88	100	x
Machinist	116	92	98	26
Plumber	144	83	83	40
Sheet metal worker	54	94	89	81
Steamfitter-pipefitter	124	85	91	27
Steel fabricator	16	75	88	50
Welder	549	89	99	33
Other	14	86	100	x
Motor vehicle and heavy equipment, total	**962**	**92**	**91**	**44**
Agricultural equipment technician	25	88	24	88
Automotive service technician	307	88	92	33
Crane and hoist operator	110	95	82	77
Heavy duty equipment mechanic technician	316	94	97	36
Motor vehicle body repairer	64	89	91	63
Partsperson (industrial engine and equipment)	95	98	98	34
Recreation vehicle mechanic	21	95	100	86
Other	24	92	92	50
Other trades, total	**37**	**97**	**97**	**x**
Landscape gardener	31	97	100	x
Other	6	100	x	x

Table A.1.2.4 (concluded)

Characteristics of completers by main trade and province, 1994 cohort

Province and main trade	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took a time of 50% or more beyond nominal duration of program
	number		percent	
British Columbia				
Total population	**2,792**	**96**	**97**	**26**
Building construction, total	**556**	**95**	**97**	**30**
Bricklayer	6	100	100	x
Carpenter	322	97	98	25
Drywall installer	6	100	100	x
Floor covering installer	15	100	100	53
Glazier	24	96	100	x
Joiner	43	100	95	x
Painter and decorator	24	96	100	x
Plasterer	32	100	91	47
Roofer	34	100	100	29
Sawfitter / benchman (lumber manufacturing)	36	56	92	89
Other	14	93	100	43
Electrical, electronics and related trades, total	**484**	**97**	**98**	**26**
Construction electrician	429	97	98	28
Other	55	95	100	11
Food and service trades, total	**253**	**98**	**99**	**28**
Baker	41	100	100	x
Cook	133	98	99	14
Hairdresser / hairstylist	34	100	100	82
Meat cutter	18	89	100	x
Other	27	100	96	74
Industrial and related mechanical trades, total	**203**	**92**	**98**	**31**
Boilermaker	15	93	93	100
Industrial mechanic-millwright	101	97	99	15
Refrigeration and air conditioning mechanic	42	100	98	24
Sawfiler	22	41	100	100
Other	23	100	96	x
Metal fabricating trades, total	**572**	**95**	**97**	**27**
Gasfitter (domestic and commercial)	23	70	100	96
Ironworker	13	100	100	46
Machinist	66	98	100	12
Plumber	234	95	96	23
Sheet metal worker	84	94	96	29
Sprinkler system installer	44	100	95	30
Steamfitter-pipefitter	16	100	94	x
Steel fabricator	57	96	96	30
Welder	16	94	100	x
Other	19	100	89	32
Motor vehicle and heavy equipment, total	**654**	**95**	**94**	**20**
Automotive service technician	302	97	96	16
Heavy duty equipment mechanic technician	81	98	99	10
Motor vehicle body repairer	49	84	84	18
Motor vehicle painter	34	85	94	53
Partsperson (industrial engine and equipment)	18	100	94	33
Truck and transport mechanic	70	99	96	17
Other	100	95	90	28
Other trades, total	**70**	**97**	**97**	**30**
Landscape gardener	21	100	100	x
Other	49	96	96	33

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.2.5

Median and mean age at registration of completers, by main trade and province, 1994 cohort

Province and main trade	Number of completers	Median age	Mean age
	number	years	
All provinces			
Total population	**13,423**	**24**	**26**
Building construction, total	**1,475**	**26**	**27**
Bricklayer	32	25	27
Building service technician	153	37	37
Cabinet maker	30	25	26
Carpenter	749	24	25
Cement finisher	25	30	31
Drywall installer	6	21	23
Drywall mechanic	x	x	x
Floor covering installer	44	24	26
Glazier	24	26	25
Insulator installer heat and frost	23	28	30
Joiner	43	25	26
Painter and decorator	71	28	29
Plasterer	44	25	26
Roofer	71	28	29
Sawfitter / benchman (lumber manufacturing)	36	40	39
Tile setter	x	x	x
Woodworker	14	22	24
Other	105	25	26
Electrical, electronics and related trades, total	**1,869**	**24**	**26**
Appliance service technician-serviceman	25	27	29
Construction electrician	1,495	23	25
Electronics technician (consumer products)	14	30	32
Industrial electrician	191	26	27
Powerline technician	29	25	26
Other	115	27	29
Food and service trades, total	**2,350**	**24**	**26**
Assistant cook	x	x	x
Baker	112	27	28
Barber	19	26	27
Cook	494	24	26
Hairdresser / hairstylist	1,619	23	26
Locksmith	23	32	33
Meat cutter	18	21	23
Other	x	x	x
Industrial and related mechanical trades, total	**1,158**	**29**	**30**
Boilermaker	15	28	28
Industrial instrument mechanic	114	28	29
Industrial mechanic-millwright	555	32	31
Refrigeration and air conditioning mechanic	294	25	27
Sawfiler	22	40	40
Other	158	29	30
Metal fabricating trades, total	**2,874**	**24**	**26**
Gasfitter	41	31	32
Gasfitter (domestic and commercial)	23	22	24
Ironworker	46	25	26
Machinist	363	24	26
Moulder and engraver	127	23	24
Plumber	639	24	26
Reinforcing steel erector	12	25	25
Sheet metal worker	276	24	25
Sprinkler system installer	44	25	26
Steamfitter-pipefitter	242	26	28
Steel and plate worker	10	26	26
Steel fabricator	73	25	26

Table A.1.2.5 (continued)

Median and mean age at registration of completers, by main trade and province, 1994 cohort

Province and main trade	Number of completers	Median age	Mean age
	number	years	
Tool and die maker	270	24	25
Welder	596	24	26
Other	112	25	27
Motor vehicle and heavy equipment, total	**3,519**	**23**	**25**
Agricultural equipment technician	57	21	22
Air-cooled and marine engine mechanic (small engines)	17	24	26
Automotive service technician	1,938	22	24
Crane and hoist operator	116	31	31
Heavy duty equipment mechanic technician	516	24	26
Heavy duty equipment operator	27	29	30
Mobile crane operator	25	26	27
Motor vehicle body repairer	226	22	24
Motor vehicle painter	42	25	27
Motor vehicle steering suspension and brakes mechanic	30	24	25
Motor vehicle transmission mechanic	17	22	25
Motorcycle repair mechanic	18	23	24
Partsperson (industrial engine and equipment)	112	25	26
Power shovel operator	50	36	36
Recreation vehicle mechanic	21	34	33
Small equipment mechanic	26	25	27
Transport trailer technician	19	24	26
Truck and transport mechanic	93	23	26
Other	169	25	27
Other trades, total	**178**	**29**	**29**
Horticulture	x	x	x
Landscape gardener	72	28	29
Pool and spa installation and service technician	6	28	28
Other	x	x	x
New Brunswick			
Total population	**363**	**24**	**26**
Building construction, total	**30**	**25**	**26**
Carpenter	18	24	25
Other	12	27	28
Electrical, electronics and related trades, total	**53**	**24**	**25**
Construction electrician	34	22	24
Other	19	26	29
Food and service trades, total	x	x	x
Barber	19	26	27
Cook	13	30	31
Other	x	x	x
Industrial and related mechanical trades, total	**70**	**29**	**29**
Industrial mechanic-millwright	24	30	29
Other	46	28	29
Metal fabricating trades, total	**65**	**22**	**23**
Machinist	15	23	23
Plumber	20	22	24
Welder	22	22	23
Other	8	23	24
Motor vehicle and heavy equipment, total	**98**	**22**	**24**
Automotive service technician	48	22	23
Truck and transport mechanic	23	23	24
Other	27	23	25
Other trades, total	x	x	x

Table A.1.2.5 (continued)

Median and mean age at registration of completers, by main trade and province, 1994 cohort

Province and main trade	Number of completers	Median age	Mean age
	number	years	
Quebec (CCQ)			
Total population	**719**	**23**	**26**
Building construction, total	**191**	**23**	**26**
Bricklayer	13	25	28
Carpenter	92	21	23
Floor covering installer	9	26	27
Painter and decorator	19	29	28
Plasterer	8	23	25
Roofer	29	28	31
Other	21	25	25
Electrical, electronics and related trades, total	**281**	**22**	**24**
Construction electrician	187	22	23
Industrial electrician	94	25	27
Industrial and related mechanical trades, total	**61**	**24**	**25**
Refrigeration and air conditioning mechanic	53	24	25
Other	8	29	29
Metal fabricating trades, total	**103**	**22**	**24**
Reinforcing steel erector	9	26	26
Sheet metal worker	21	21	24
Steamfitter-pipefitter	55	22	24
Other	18	24	27
Motor vehicle and heavy equipment, total	**83**	**32**	**34**
Crane and hoist operator	6	31	33
Heavy duty equipment operator	27	29	30
Power shovel operator	50	36	36
Ontario			
Total population	**5,269**	**24**	**26**
Building construction, total	**319**	**30**	**31**
Bricklayer	13	27	26
Building service technician	153	37	37
Carpenter	86	24	25
Cement finisher	x	x	x
Drywall mechanic	x	x	x
Floor covering installer	x	x	x
Painter and decorator	8	26	27
Plasterer	x	x	x
Roofer	8	29	27
Tile setter	x	x	x
Woodworker	14	22	24
Other	23	25	28
Electrical, electronics and related trades, total	**550**	**24**	**25**
Construction electrician	433	23	24
Industrial electrician	97	27	28
Powerline technician	10	28	27
Other	10	30	30
Food and service trades, total	**1,307**	**24**	**27**
Assistant cook	x	x	x
Baker	14	23	28
Cook	197	24	26
Hairdresser / hairstylist	1,076	24	26
Other	x	x	x
Industrial and related mechanical trades, total	**437**	**29**	**30**
Industrial mechanic-millwright	250	32	32
Refrigeration and air conditioning mechanic	147	25	27
Other	40	30	29

Table A.1.2.5 (continued)

Median and mean age at registration of completers, by main trade and province, 1994 cohort

Province and main trade	Number of completers	Median age	Mean age
	number	years	
Metal fabricating trades, total	**1,035**	**24**	**25**
Ironworker	33	24	25
Machinist	167	23	25
Moulder and engraver	127	23	24
Plumber	224	24	25
Reinforcing steel erector	x	x	x
Sheet metal worker	118	24	25
Steamfitter-pipefitter	49	25	27
Steel and plate worker	10	26	26
Tool and die maker	270	24	25
Welder	15	26	29
Other	x	x	x
Motor vehicle and heavy equipment, total	**1,561**	**22**	**24**
Agricultural equipment technician	32	21	22
Air-cooled and marine engine mechanic (small engines)	17	24	26
Automotive service technician	1,219	22	24
Heavy duty equipment mechanic technician	49	26	28
Mobile crane operator	25	26	27
Motor vehicle body repairer	98	22	23
Motor vehicle painter	x	x	x
Motor vehicle steering suspension and brakes mechanic	30	24	25
Motor vehicle transmission mechanic	17	22	25
Motorcycle repair mechanic	18	23	24
Small equipment mechanic	26	25	27
Transport trailer technician	19	24	26
Other	x	x	x
Other trades, total	**60**	**26**	**27**
Horticulture	x	x	x
Landscape gardener	20	25	27
Pool and spa installation and service technician	6	28	28
Other	x	x	x
Manitoba			
Total population	**402**	**25**	**26**
Building construction, total	**64**	**24**	**27**
Carpenter	45	24	26
Other	19	27	28
Electrical, electronics and related trades, total	**58**	**26**	**26**
Construction electrician	45	24	25
Other	13	29	30
Food and service trades, total	**x**	**x**	**x**
Industrial and related mechanical trades, total	**46**	**32**	**32**
Industrial mechanic-millwright	27	32	32
Other	19	28	31
Metal fabricating trades, total	**52**	**26**	**28**
Plumber	18	26	28
Other	34	26	28
Motor vehicle and heavy equipment, total	**168**	**22**	**24**
Automotive service technician	65	23	23
Heavy duty equipment mechanic technician	73	22	24
Motor vehicle body repairer	15	22	24
Other	15	23	25
Other trades, total	**x**	**x**	**x**

Table A.1.2.5 (continued)

Median and mean age at registration of completers, by main trade and province, 1994 cohort

Province and main trade	Number of completers	Median age	Mean age
	number	years	
Alberta			
Total population	**3,878**	**25**	**27**
Building construction, total	**315**	**25**	**26**
Cabinet maker	30	25	26
Carpenter	186	23	25
Cement finisher	23	30	31
Floor covering installer	17	22	25
Insulator installer heat and frost	23	28	30
Painter and decorator	20	33	34
Other	16	23	23
Electrical, electronics and related trades, total	**443**	**24**	**26**
Appliance service technician-serviceman	25	27	29
Construction electrician	367	23	25
Electronics technician (consumer products)	14	30	32
Powerline technician	19	24	26
Other	18	28	29
Food and service trades, total	**740**	**23**	**25**
Baker	57	27	29
Cook	151	24	25
Hairdresser / hairstylist	509	22	25
Locksmith	23	32	33
Industrial and related mechanical trades, total	**341**	**28**	**29**
Industrial instrument mechanic	114	28	29
Industrial mechanic-millwright	153	29	30
Refrigeration and air conditioning mechanic	52	28	29
Other	22	30	30
Metal fabricating trades, total	**1,047**	**25**	**27**
Gasfitter	41	31	32
Machinist	115	26	28
Plumber	143	25	27
Sheet metal worker	53	24	25
Steamfitter-pipefitter	122	30	30
Steel fabricator	16	28	30
Welder	543	24	26
Other	14	26	27
Motor vehicle and heavy equipment, total	**955**	**24**	**26**
Agricultural equipment technician	25	21	22
Automotive service technician	304	23	25
Crane and hoist operator	110	31	31
Heavy duty equipment mechanic technician	313	25	26
Motor vehicle body repairer	64	21	23
Partsperson (industrial engine and equipment)	94	25	26
Recreation vehicle mechanic	21	34	33
Other	24	26	27
Other trades, total	**37**	**32**	**31**
Landscape gardener	31	32	31
Other	6	29	30

Table A.1.2.5 (concluded)

Median and mean age at registration of completers, by main trade and province, 1994 cohort

Province and main trade	Number of completers	Median age	Mean age
	number	years	
British Columbia			
Total population	**2,792**	**25**	**27**
Building construction, total	**556**	**25**	**27**
Bricklayer	6	23	24
Carpenter	322	24	26
Drywall installer	6	21	23
Floor covering installer	15	24	25
Glazier	24	26	25
Joiner	43	25	26
Painter and decorator	24	24	27
Plasterer	32	24	25
Roofer	34	28	27
Sawfitter / benchman (lumber manufacturing)	36	40	39
Other	14	26	26
Electrical, electronics and related trades, total	**484**	**26**	**27**
Construction electrician	429	25	27
Other	55	27	28
Food and service trades, total	**253**	**24**	**26**
Baker	41	25	27
Cook	133	24	26
Hairdresser / hairstylist	34	24	26
Meat cutter	18	21	23
Other	27	24	27
Industrial and related mechanical trades, total	**203**	**31**	**31**
Boilermaker	15	28	28
Industrial mechanic-millwright	101	33	32
Refrigeration and air conditioning mechanic	42	26	28
Sawfiler	22	40	40
Other	23	31	30
Metal fabricating trades, total	**572**	**24**	**26**
Gasfitter (domestic and commercial)	23	22	24
Ironworker	13	29	29
Machinist	66	25	26
Plumber	234	24	26
Sheet metal worker	84	24	25
Sprinkler system installer	44	25	26
Steamfitter-pipefitter	16	25	27
Steel fabricator	57	24	25
Welder	16	25	27
Other	19	25	27
Motor vehicle and heavy equipment, total	**654**	**24**	**25**
Automotive service technician	302	23	24
Heavy duty equipment mechanic technician	81	24	25
Motor vehicle body repairer	49	23	25
Motor vehicle painter	34	25	27
Partsperson (industrial engine and equipment)	18	25	26
Truck and transport mechanic	70	24	26
Other	100	27	28
Other trades, total	**70**	**29**	**29**
Landscape gardener	21	27	27
Other	49	29	30

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: Apprentices for whom the age is unknown are excluded from this table.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.2.6

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1994 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
All provinces			
Total population	**27,274**	**5**	**49**
1 year	**911**	**3**	**29**
Building construction, total	**100**	**3**	**51**
Floor covering installer	26	4	35
Roofer	60	4	48
Sawfitter / benchman (lumber manufacturing)	14	2	93
Food and service trades, total	**49**	...	**x**
Assistant cook	36	...	x
Other	13	...	x
Industrial and related mechanical trades, total	**30**	**2**	**87**
Metal fabricating trades, total	**29**	**5**	**31**
Reinforcing steel erector	29	5	31
Motor vehicle and heavy equipment, total	**702**	**3**	**25**
Crane and hoist operator	445	3	18
Heavy duty equipment operator	87	3	31
Mobile crane operator	x	...	x
Motor vehicle painter	26	3	31
Motor vehicle steering suspension and brakes mechanic	17	...	x
Power shovel operator	121	5	41
Other	x	...	x
Other trades, total	**x**	...	**x**
2 years	**4,092**	**3**	**54**
Building construction, total	**576**	**3**	**28**
Bricklayer	138	4	9
Building service technician	202	3	40
Cement finisher	22	...	x
Drywall mechanic	25	...	x
Floor covering installer	28	3	61
Painter and decorator	42	6	19
Plasterer	36	...	x
Sawfitter / benchman (lumber manufacturing)	26	3	88
Other	57	6	33
Electrical, electronics and related trades, total	**20**	**2**	**55**
Other	20	2	55
Food and service trades, total	**2,555**	**2**	**65**
Barber	31	3	65
Hairdresser / hairstylist	2,475	2	66
Other	49	3	55
Industrial and related mechanical trades, total	**14**	...	**x**
Metal fabricating trades, total	**188**	**3**	**29**
Gasfitter	x	...	x
Gasfitter (domestic and commercial)	40	3	58
Reinforcing steel erector	35	8	x
Steel and plate worker	51	3	20
Welder	x	...	x
Other	57	4	26

Table A.1.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1994 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Motor vehicle and heavy equipment, total	**513**	**3**	**51**
Agricultural equipment technician	36	5	69
Air-cooled and marine engine mechanic (small engines)	31	3	39
Automotive service technician	33	4	39
Motor vehicle body repairer	26	...	x
Motor vehicle painter	43	3	79
Motor vehicle steering suspension and brakes mechanic	72	4	38
Motor vehicle transmission mechanic	35	5	49
Motorcycle repair mechanic	34	5	53
Recreation vehicle mechanic	36	3	58
Small equipment mechanic	67	3	39
Transport trailer technician	31	4	61
Other	69	3	65
Other trades, total	**226**	**3**	**19**
Horticulture	42	...	x
Landscape gardener	133	3	15
Pool and spa installation and service technician	32	4	19
Other	19	3	84
3 years	**5,581**	**4**	**43**
Building construction, total	**1,678**	**4**	**29**
Bricklayer	25	6	52
Building service technician	160	3	46
Carpenter	797	5	22
Cement finisher	67	3	37
Drywall installer	36	5	17
Floor covering installer	68	5	26
Painter and decorator	180	4	35
Plasterer	27	7	37
Roofer	144	4	29
Other	174	5	29
Electrical, electronics and related trades, total	**76**	**4**	**45**
Appliance service technician-serviceman	45	4	56
Other	31	4	29
Food and service trades, total	**1,627**	**4**	**40**
Baker	229	4	49
Cook	1,326	4	38
Meat cutter	32	4	56
Other	40	4	55
Industrial and related mechanical trades, total	**91**	**5**	**47**
Boilermaker	25	7	60
Industrial mechanic-millwright	x	...	x
Other	x	...	x
Metal fabricating trades, total	**1,266**	**4**	**60**
Gasfitter	61	3	66
Ironworker	87	5	53
Machinist	x	...	x
Moulder and engraver	x	...	x
Sheet metal worker	60	5	35
Steamfitter-pipefitter	43	4	53
Steel fabricator	29	5	55
Welder	913	4	64
Other	64	4	45

Table A.1.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1994 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Motor vehicle and heavy equipment, total	**791**	**4**	**49**
Air-cooled and marine engine mechanic (small engines)	11	...	x
Crane and hoist operator	54	4	65
Mobile crane operator	44	4	52
Motor vehicle body repairer	397	5	40
Partsperson (industrial engine and equipment)	183	4	62
Other	102	4	48
Other trades, total	**52**	**4**	**42**
4 years	**16,465**	**5**	**52**
Building construction, total	**2,044**	**5**	**39**
Bricklayer	29	4	21
Building service technician	x	...	x
Cabinet maker	97	5	34
Carpenter	1,336	5	43
Cement finisher	23	0	0
Glazier	46	5	52
Insulator installer heat and frost	66	5	35
Joiner	104	5	41
Plasterer	170	5	19
Tile setter	33	...	x
Woodworker	42	5	33
Other	x	...	x
Electrical, electronics and related trades, total	**3,911**	**5**	**46**
Construction electrician	2,465	5	59
Electronics technician (consumer products)	37	4	38
Industrial electrician	1,187	5	16
Powerline technician	61	5	48
Other	161	5	61
Food and service trades, total	**64**	**4**	**53**
Locksmith	47	4	49
Other	17	4	65
Industrial and related mechanical trades, total	**1,728**	**5**	**59**
Industrial instrument mechanic	216	5	53
Industrial mechanic-millwright	869	5	59
Refrigeration and air conditioning mechanic	469	5	63
Other	174	5	60
Metal fabricating trades, total	**3,970**	**5**	**51**
Machinist	647	5	56
Moulder and engraver	232	5	55
Plumber	1,038	5	60
Sheet metal worker	466	5	55
Sprinkler system installer	80	5	55
Steamfitter-pipefitter	865	5	26
Steel fabricator	94	5	61
Tool and die maker	414	5	65
Welder	22	5	50
Other	112	4	53
Motor vehicle and heavy equipment, total	**4,519**	**5**	**60**
Agricultural equipment technician	52	5	62
Automotive service technician	3,253	5	59
Heavy duty equipment mechanic technician	808	5	64
Motor vehicle body repairer	118	4	54
Truck and transport mechanic	155	5	60
Other	133	5	56

Table A.1.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1994 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Other trades, total	**229**	**5**	**45**
Landscape gardener	109	5	48
Other	120	5	43
5 years	**225**	**6**	**63**
Electrical, electronics and related trades, total	**85**	**7**	**45**
Construction electrician	73	7	47
Industrial electrician	12	...	x
Industrial and related mechanical trades, total	**81**	**6**	**79**
Industrial mechanic-millwright	48	6	98
Other	33	6	52
Metal fabricating trades, total	**49**	**6**	**65**
Plumber	33	6	61
Welder	x	...	x
Other	x	...	x
Motor vehicle and heavy equipment, total	**x**	**...**	**x**
Other trades, total	**9**	**4**	**78**
New Brunswick			
Total population	**724**	**5**	**51**
2 years	**39**	**3**	**69**
3 years	**151**	**4**	**48**
Building construction, total	**22**	**5**	**36**
Electrical, electronics and related trades, total	**9**	**...**	**x**
Food and service trades, total	**x**	**...**	**x**
Industrial and related mechanical trades, total	**x**	**...**	**x**
Metal fabricating trades, total	**34**	**5**	**68**
Welder	34	5	68
Motor vehicle and heavy equipment, total	**28**	**4**	**46**
4 years	**455**	**5**	**50**
Building construction, total	**77**	**7**	**29**
Carpenter	64	7	28
Other	13	...	x
Electrical, electronics and related trades, total	**24**	**6**	**67**
Industrial and related mechanical trades, total	**99**	**5**	**63**
Industrial mechanic-millwright	36	4	67
Other	63	5	60
Metal fabricating trades, total	**84**	**5**	**52**
Machinist	25	4	60
Plumber	37	5	54
Other	22	4	41
Motor vehicle and heavy equipment, total	**171**	**5**	**49**
Automotive service technician	103	5	47
Truck and transport mechanic	42	5	55
Other	26	4	50
5 years	**74**	**7**	**47**

Table A.1.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1994 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Quebec (CCQ)			
Total population	**3,249**	**6**	**22**
1 year	**568**	**5**	**23**
Building construction, total	**86**	**4**	**44**
Floor covering installer	26	4	35
Roofer	60	4	48
Metal fabricating trades, total	**29**	**5**	**31**
Reinforcing steel erector	29	5	31
Motor vehicle and heavy equipment, total	**453**	**5**	**18**
Crane and hoist operator	245	6	2
Heavy duty equipment operator	87	3	31
Power shovel operator	121	5	41
2 years	**57**	**5**	**33**
Building construction, total	**18**	**6**	**50**
Metal fabricating trades, total	**39**	**5**	**26**
3 years	**534**	**6**	**32**
Building construction, total	**448**	**6**	**32**
Bricklayer	25	6	52
Carpenter	302	6	30
Painter and decorator	59	7	32
Plasterer	25	7	32
Other	37	6	32
Industrial and related mechanical trades, total	**x**	**...**	**x**
Metal fabricating trades, total	**60**	**5**	**35**
Sheet metal worker	60	5	35
Motor vehicle and heavy equipment, total	**x**	**...**	**x**
4 years	**2,081**	**6**	**19**
Electrical, electronics and related trades, total	**1,403**	**6**	**20**
Construction electrician	405	7	46
Industrial electrician	998	4	9
Industrial and related mechanical trades, total	**98**	**6**	**54**
Refrigeration and air conditioning mechanic	98	6	54
Metal fabricating trades, total	**580**	**6**	**11**
Steamfitter-pipefitter	560	6	10
Other	20	7	40
5 years	**9**	**...**	**x**
Industrial and related mechanical trades, total	**9**	**...**	**x**

Table A.1.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1994 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Ontario			
Total population	**10,740**	**4**	**49**
1 year	**98**	**3**	**19**
Food and service trades, total	**49**	...	**x**
Assistant cook	36	...	x
Other	13	...	x
Motor vehicle and heavy equipment, total	**49**	**3**	**29**
Mobile crane operator	x	...	x
Motor vehicle painter	26	3	31
Motor vehicle steering suspension and brakes mechanic	17	...	x
Other	x	...	x
2 years	**2,792**	**3**	**49**
Building construction, total	**504**	**3**	**23**
Bricklayer	138	4	9
Building service technician	202	3	40
Cement finisher	22	...	x
Drywall mechanic	25	...	x
Painter and decorator	42	6	19
Plasterer	36	...	x
Other	39	7	26
Electrical, electronics and related trades, total	**x**	...	**x**
Food and service trades, total	**1,640**	**2**	**66**
Hairdresser / hairstylist	1,625	2	66
Other	15	4	40
Industrial and related mechanical trades, total	**x**	...	**x**
Metal fabricating trades, total	**90**	**4**	**17**
Reinforcing steel erector	x	...	x
Steel and plate worker	51	3	20
Welder	x	...	x
Motor vehicle and heavy equipment, total	**338**	**4**	**41**
Air-cooled and marine engine mechanic (small engines)	31	3	39
Automotive service technician	33	4	39
Motor vehicle body repairer	26	...	x
Motor vehicle steering suspension and brakes mechanic	72	4	38
Motor vehicle transmission mechanic	35	5	49
Motorcycle repair mechanic	34	5	53
Small equipment mechanic	67	3	39
Transport trailer technician	31	4	61
Other	9	...	x
Other trades, total	**208**	**3**	**13**
Horticulture	42	...	x
Landscape gardener	133	3	15
Pool and spa installation and service technician	x	...	x
Other	x	...	x
3 years	**2,046**	**4**	**30**
Building construction, total	**781**	**3**	**24**
Building service technician	160	3	46
Carpenter	495	4	17
Cement finisher	19	...	x
Floor covering installer	25	...	x
Plasterer	x	...	x
Roofer	46	6	17
Other	x	...	x

Table A.1.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1994 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Electrical, electronics and related trades, total	**14**	**5**	**x**
Food and service trades, total	**716**	**4**	**30**
Baker	66	4	21
Cook	640	4	31
Other	10	...	x
Industrial and related mechanical trades, total	**22**	**...**	**x**
Metal fabricating trades, total	**149**	**4**	**50**
Ironworker	56	5	59
Machinist	x	...	x
Moulder and engraver	x	...	x
Steamfitter-pipefitter	43	4	53
Other	41	4	39
Motor vehicle and heavy equipment, total	**321**	**5**	**38**
Air-cooled and marine engine mechanic (small engines)	x	...	x
Mobile crane operator	44	4	52
Motor vehicle body repairer	264	5	36
Other	x	...	x
Other trades, total	**43**	**4**	**37**
4 years	**5,740**	**5**	**56**
Building construction, total	**124**	**5**	**15**
Building service technician	x	...	x
Cement finisher	23	...	x
Tile setter	33	...	x
Woodworker	42	5	33
Other	x	...	x
Electrical, electronics and related trades, total	**924**	**6**	**59**
Construction electrician	680	6	64
Industrial electrician	189	6	49
Powerline technician	34	5	29
Other	21	4	33
Food and service trades, total	**6**	**...**	**x**
Industrial and related mechanical trades, total	**726**	**5**	**53**
Industrial mechanic-millwright	437	5	46
Refrigeration and air conditioning mechanic	230	5	64
Other	59	4	58
Metal fabricating trades, total	**1,652**	**5**	**57**
Machinist	368	5	45
Moulder and engraver	232	5	55
Plumber	351	5	64
Sheet metal worker	207	6	57
Steamfitter-pipefitter	53	6	49
Tool and die maker	414	5	65
Welder	x	...	x
Other	x	...	x
Motor vehicle and heavy equipment, total	**2,265**	**5**	**57**
Agricultural equipment technician	52	5	62
Automotive service technician	2,113	5	57
Heavy duty equipment mechanic technician	100	5	49
Other trades, total	**43**	**5**	**37**
5 years	**64**	**6**	**83**

Table A.1.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1994 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Electrical, electronics and related trades, total	x	...	x
Industrial and related mechanical trades, total	**48**	**6**	**98**
Industrial mechanic-millwright	48	6	98
Metal fabricating trades, total	x	...	x
Manitoba			
Total population	**644**	**5**	**64**
2 years	**9**	**3**	**89**
Motor vehicle and heavy equipment, total	**9**	**3**	**89**
3 years	**38**	**4**	**45**
Building construction, total	x	...	x
Food and service trades, total	x	...	x
Industrial and related mechanical trades, total	x	...	x
Metal fabricating trades, total	7	4	100
Motor vehicle and heavy equipment, total	x	...	x
4 years	**559**	**5**	**65**
Building construction, total	**109**	**5**	**59**
Carpenter	81	5	56
Other	28	5	68
Electrical, electronics and related trades, total	**79**	**5**	**77**
Construction electrician	62	5	73
Other	17	4	94
Industrial and related mechanical trades, total	**52**	**5**	**81**
Industrial mechanic-millwright	30	5	90
Other	22	4	68
Metal fabricating trades, total	x	...	x
Motor vehicle and heavy equipment, total	**268**	**5**	**60**
Automotive service technician	108	5	62
Heavy duty equipment mechanic technician	110	5	66
Motor vehicle body repairer	35	4	43
Other	15	9	47
Other trades, total	x	...	x
5 years	**38**	**6**	**61**
Metal fabricating trades, total	**38**	**6**	**61**
Alberta			
Total population	**6,694**	**5**	**59**
1 year	**200**	**3**	**38**
Motor vehicle and heavy equipment, total	**200**	**3**	**38**
Crane and hoist operator	200	3	38
2 years	**799**	**3**	**74**
Building construction, total	**28**	**3**	**61**
Floor covering installer	28	3	61
Food and service trades, total	**684**	**2**	**75**
Hairdresser / hairstylist	684	2	75

Table A.1.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1994 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Metal fabricating trades, total	x	...	x
Motor vehicle and heavy equipment, total	**85**	**4**	**65**
Agricultural equipment technician	36	5	69
Recreation vehicle mechanic	36	3	58
Other	13	5	69
Other trades, total	x	...	x
3 years	**1,948**	**4**	**57**
Building construction, total	**142**	**4**	**39**
Cement finisher	48	3	48
Painter and decorator	44	4	45
Other	50	4	26
Electrical, electronics and related trades, total	**45**	**4**	**56**
Appliance service technician-serviceman	45	4	56
Food and service trades, total	**454**	**4**	**47**
Baker	99	4	58
Cook	355	4	44
Industrial and related mechanical trades, total	**11**	**5**	**55**
Other	11	5	55
Metal fabricating trades, total	**949**	**4**	**64**
Gasfitter	61	3	66
Steel fabricator	29	5	55
Welder	843	4	65
Other	16	8	38
Motor vehicle and heavy equipment, total	**345**	**4**	**56**
Crane and hoist operator	54	4	65
Motor vehicle body repairer	133	5	48
Partsperson (industrial engine and equipment)	158	4	60
Other trades, total	x	...	x
4 years	**3,747**	**5**	**57**
Building construction, total	**605**	**5**	**41**
Cabinet maker	97	5	34
Carpenter	428	5	44
Insulator installer heat and frost	66	5	35
Other	14	...	x
Electrical, electronics and related trades, total	**719**	**5**	**59**
Construction electrician	611	5	61
Electronics technician (consumer products)	37	4	38
Powerline technician	27	5	70
Other	44	4	41
Food and service trades, total	**47**	**4**	**49**
Locksmith	47	4	49
Industrial and related mechanical trades, total	**549**	**5**	**62**
Industrial instrument mechanic	216	5	53
Industrial mechanic-millwright	227	5	68
Refrigeration and air conditioning mechanic	77	5	68
Other	29	5	59
Metal fabricating trades, total	**757**	**5**	**59**
Machinist	161	5	72
Plumber	246	5	59
Sheet metal worker	106	7	51

Table A.1.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1994 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Steamfitter-pipefitter	225	5	55
Other	19	5	42
Motor vehicle and heavy equipment, total	**984**	**5**	**65**
Automotive service technician	481	5	64
Heavy duty equipment mechanic technician	479	5	66
Other	24	5	63
Other trades, total	**86**	**5**	**41**
Landscape gardener	70	5	44
Other	16	...	x
British Columbia			
Total population	**5,223**	**5**	**53**
1 year	**40**	**2**	**90**
Building construction, total	**x**	**...**	**x**
Industrial and related mechanical trades, total	**25**	**2**	**88**
Sawfiler	25	2	88
Other trades, total	**x**	**...**	**x**
2 years	**396**	**3**	**48**
Building construction, total	**26**	**3**	**88**
Sawfitter / benchman (lumber manufacturing)	26	3	88
Electrical, electronics and related trades, total	**19**	**2**	**58**
Other	19	2	58
Food and service trades, total	**200**	**3**	**28**
Hairdresser / hairstylist	166	3	20
Other	34	3	62
Metal fabricating trades, total	**58**	**3**	**48**
Gasfitter (domestic and commercial)	40	3	58
Other	18	...	x
Motor vehicle and heavy equipment, total	**78**	**3**	**74**
Motor vehicle painter	43	3	79
Other	35	3	69
Other trades, total	**15**	**3**	**93**
Other	15	3	93
3 years	**864**	**4**	**45**
Building construction, total	**280**	**4**	**30**
Drywall installer	36	5	17
Floor covering installer	43	5	35
Painter and decorator	77	4	31
Roofer	98	4	35
Other	26	4	23
Electrical, electronics and related trades, total	**8**	**...**	**x**
Food and service trades, total	**383**	**4**	**50**
Baker	64	4	64
Cook	287	3	46
Meat cutter	32	4	56
Industrial and related mechanical trades, total	**31**	**7**	**68**
Boilermaker	25	7	60
Other	6	4	100

Table A.1.2.6 (concluded)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1994 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Metal fabricating trades, total	**67**	**4**	**43**
Ironworker	31	4	42
Welder	36	4	44
Motor vehicle and heavy equipment, total	**88**	**4**	**61**
Partsperson (industrial engine and equipment)	25	4	72
Other	63	4	57
Other trades, total	7	...	x
4 years	**3,883**	**5**	**55**
Building construction, total	**1,129**	**5**	**39**
Bricklayer	29	4	21
Carpenter	763	5	42
Glazier	46	5	52
Joiner	104	5	41
Plasterer	170	5	19
Other	17	7	47
Electrical, electronics and related trades, total	**762**	**5**	**62**
Construction electrician	707	5	61
Other	55	5	75
Food and service trades, total	**11**	**5**	**55**
Other	11	5	55
Industrial and related mechanical trades, total	**204**	**5**	**71**
Industrial mechanic-millwright	139	5	73
Refrigeration and air conditioning mechanic	x	...	x
Other	x	...	x
Metal fabricating trades, total	**864**	**5**	**59**
Machinist	93	5	71
Plumber	404	5	58
Sheet metal worker	153	5	55
Sprinkler system installer	80	5	55
Steamfitter-pipefitter	27	5	59
Steel fabricator	94	5	61
Other	13	4	54
Motor vehicle and heavy equipment, total	**831**	**5**	**65**
Automotive service technician	448	5	67
Heavy duty equipment mechanic technician	119	5	67
Motor vehicle body repairer	83	4	59
Truck and transport mechanic	113	5	62
Other	68	5	59
Other trades, total	**82**	**5**	**55**
Landscape gardener	39	5	54
Other	43	4	56
5 years	**40**	**6**	**75**
Industrial and related mechanical trades, total	**24**	**6**	**67**
Other	24	6	67
Metal fabricating trades, total	x	...	x
Motor vehicle and heavy equipment, total	x	...	x
Other trades, total	**8**	**4**	**75**

... not applicable

x suppressed to meet the confidentiality requirements of the *Statistics Act*

1. A trade can be in more than one program duration, given provincial duration.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.2.7

Characteristics of completers registered in a Red Seal trade, by age group at registration and province, 1994 cohort

Province and age group	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
All provinces					
All age groups	**23,715**	**51**	**94**	**96**	**36**
15 to 19 years	2,475	57	92	93	46
20 to 24 years	9,113	56	93	96	40
25 to 29 years	5,039	51	95	97	31
30 to 39 years	5,245	45	94	97	30
40 years and over	1,706	34	96	98	28
New Brunswick					
All age groups	**614**	**48**	**91**	**91**	**39**
15 to 19 years	64	66	83	98	45
20 to 24 years	240	50	88	87	46
25 to 29 years	149	46	94	93	34
30 to 39 years	124	44	98	95	29
40 years and over	31	26	100	100	25
Quebec (CCQ)					
All age groups	**2,731**	**23**	**88**	**98**	**68**
15 to 19 years	235	32	88	97	80
20 to 24 years	985	32	92	99	69
25 to 29 years	456	24	83	97	60
30 to 39 years	693	14	82	97	63
40 years and over	362	5	88	94	76
Ontario					
All age groups	**9,152**	**52**	**96**	**96**	**38**
15 to 19 years	1,003	56	93	94	42
20 to 24 years	3,762	57	95	96	41
25 to 29 years	1,953	49	96	97	33
30 to 39 years	1,799	46	97	97	34
40 years and over	632	36	99	99	28
Manitoba					
All age groups	**592**	**64**	**98**	**89**	**27**
15 to 19 years	64	67	100	86	33
20 to 24 years	221	66	99	84	29
25 to 29 years	131	63	99	94	29
30 to 39 years	141	62	97	94	20
40 years and over	26	65	100	94	6
Alberta					
All age groups	**6,120**	**60**	**90**	**95**	**38**
15 to 19 years	641	70	90	92	51
20 to 24 years	2,223	64	88	95	42
25 to 29 years	1,271	59	92	96	35
30 to 39 years	1,442	54	90	97	29
40 years and over	431	50	92	98	32
British Columbia					
All age groups	**4,506**	**54**	**97**	**97**	**23**
15 to 19 years	468	53	95	93	36
20 to 24 years	1,682	58	96	97	24
25 to 29 years	1,079	53	97	97	19
30 to 39 years	1,046	52	97	99	21
40 years and over	224	44	98	100	14

Note: The age group totals may not sum up to the total population because of unknown age.
Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.2.8

Characteristics of completers registered in a Red Seal trade, by main trade and province, 1994 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
All provinces					
Total population	**23,715**	**51**	**94**	**96**	**36**
Building construction, total	**3,561**	**34**	**93**	**96**	**42**
Bricklayer	192	17	88	91	72
Cabinet maker	97	34	94	97	24
Carpenter	2,133	35	95	95	39
Cement finisher	112	22	88	96	8
Floor covering installer	122	36	89	95	75
Glazier	46	52	96	100	17
Insulator installer heat and frost	66	35	96	91	48
Joiner	104	41	100	95	12
Painter and decorator	222	32	94	97	49
Roofer	204	35	79	97	63
Other	263	35	90	96	58
Electrical, electronics and related trades, total	**3,959**	**46**	**92**	**97**	**44**
Appliance service technician-serviceman	45	56	96	96	32
Construction electrician	2,538	59	91	98	47
Electronics technician (consumer products)	37	38	93	100	14
Industrial electrician	1,199	16	97	97	34
Powerline technician	61	48	93	100	24
Other	79	59	91	94	23
Food and service trades, total	**4,047**	**55**	**99**	**99**	**39**
Baker	229	49	96	98	23
Cook	1,326	38	96	98	23
Hairdresser / hairstylist	2,475	66	100	100	45
Other	17	35	100	100	33
Industrial and related mechanical trades, total	**1,788**	**59**	**93**	**98**	**29**
Boilermaker	25	60	93	93	100
Industrial instrument mechanic	216	53	83	96	34
Industrial mechanic-millwright	920	61	92	99	21
Refrigeration and air conditioning mechanic	469	63	98	98	37
Other	158	51	95	93	33
Metal fabricating trades, total	**4,994**	**53**	**92**	**96**	**32**
Ironworker	87	53	100	100	52
Machinist	652	56	93	96	19
Plumber	1,071	60	93	94	31
Reinforcing steel erector	29	31	44	89	100
Sheet metal worker	526	53	94	94	51
Sprinkler system installer	80	55	100	95	30
Steamfitter-pipefitter	908	27	88	93	41
Steel fabricator	123	59	92	95	34
Tool and die maker	414	65	98	97	21
Welder	943	64	88	98	33
Other	161	53	90	98	30
Motor vehicle and heavy equipment, total	**5,366**	**58**	**93**	**93**	**33**
Agricultural equipment technician	88	65	88	53	58
Automotive service technician	3,286	59	94	95	30
Heavy duty equipment mechanic technician	809	64	95	91	29
Mobile crane operator	49	51	96	92	52
Motor vehicle body repairer	541	42	89	91	47
Motor vehicle painter	69	61	88	93	62
Motorcycle repair mechanic	34	53	89	83	94
Partsperson (industrial engine and equipment)	183	62	98	97	34
Transport trailer technician	31	61	74	89	95
Truck and transport mechanic	155	60	99	97	23
Other	121	51	94	90	35

Table A.1.2.8 (continued)

Characteristics of completers registered in a Red Seal trade, by main trade and province, 1994 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
New Brunswick					
Total population	**614**	**48**	**91**	**91**	**39**
Building construction, total	**99**	**30**	**90**	**87**	**60**
Carpenter	64	28	89	83	61
Other	35	34	92	92	58
Electrical, electronics and related trades, total	**104**	**50**	**87**	**88**	**44**
Construction electrician	73	47	88	88	38
Other	31	58	83	89	56
Food and service trades, total	**x**	**x**	**x**	**x**	**x**
Cook	44	30	92	100	38
Industrial and related mechanical trades, total	**x**	**x**	**x**	**x**	**x**
Industrial mechanic-millwright	36	67	100	100	29
Other	x	x	x	x	x
Metal fabricating trades, total	**118**	**57**	**84**	**91**	**36**
Machinist	25	60	93	100	7
Plumber	37	54	100	90	40
Welder	34	68	61	83	52
Other	22	41	89	100	33
Motor vehicle and heavy equipment, total	**174**	**49**	**95**	**91**	**36**
Automotive service technician	103	47	92	88	31
Truck and transport mechanic	42	55	100	100	39
Other	29	52	100	87	47
Quebec (CCQ)					
Total population	**2,731**	**23**	**88**	**98**	**68**
Building construction, total	**527**	**35**	**78**	**97**	**91**
Bricklayer	25	52	92	92	85
Carpenter	302	30	86	97	86
Floor covering installer	26	35	56	89	100
Painter and decorator	59	32	84	100	100
Roofer	60	48	52	100	100
Other	55	38	76	95	95
Electrical, electronics and related trades, total	**1,403**	**20**	**96**	**99**	**54**
Construction electrician	405	46	95	99	73
Industrial electrician	998	9	98	100	18
Industrial and related mechanical trades, total	**x**	**x**	**x**	**x**	**x**
Refrigeration and air conditioning mechanic	98	54	96	98	51
Other	x	x	x	x	x
Metal fabricating trades, total	**669**	**14**	**82**	**97**	**74**
Reinforcing steel erector	29	31	44	89	100
Sheet metal worker	60	35	76	100	71
Steamfitter-pipefitter	560	10	89	96	67
Other	20	40	88	100	100
Motor vehicle and heavy equipment, total	**x**	**x**	**x**	**x**	**x**

Table A.1.2.8 (continued)

Characteristics of completers registered in a Red Seal trade, by main trade and province, 1994 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
Ontario					
Total population	**9,152**	**52**	**96**	**96**	**38**
Building construction, total	**868**	**15**	**96**	**89**	**54**
Bricklayer	138	9	77	85	85
Carpenter	495	17	98	88	38
Cement finisher	64	x	x	x	x
Floor covering installer	25	x	x	x	x
Painter and decorator	42	19	100	100	100
Roofer	46	17	88	75	75
Other	58	24	100	100	79
Electrical, electronics and related trades, total	**930**	**58**	**94**	**97**	**53**
Construction electrician	680	64	94	98	54
Industrial electrician	201	48	96	94	49
Powerline technician	34	29	100	100	20
Other	15	x	x	x	x
Food and service trades, total	**2,331**	**55**	**100**	**100**	**40**
Baker	66	21	93	93	21
Cook	640	31	99	99	26
Hairdresser / hairstylist	1,625	66	100	100	43
Industrial and related mechanical trades, total	**735**	**55**	**96**	**98**	**24**
Industrial mechanic-millwright	488	51	94	98	16
Refrigeration and air conditioning mechanic	230	64	99	97	38
Other	17	x	x	x	x
Metal fabricating trades, total	**1,559**	**57**	**95**	**96**	**31**
Ironworker	56	59	100	100	55
Machinist	373	45	92	93	19
Plumber	351	64	95	98	34
Sheet metal worker	207	57	96	94	50
Steamfitter-pipefitter	96	51	88	96	47
Tool and die maker	414	65	98	97	21
Welder	30	50	87	100	20
Other	32	44	79	93	36
Motor vehicle and heavy equipment, total	**2,729**	**54**	**93**	**94**	**37**
Agricultural equipment technician	52	62	88	75	34
Automotive service technician	2,146	57	94	95	33
Heavy duty equipment mechanic technician	100	49	86	92	39
Mobile crane operator	49	51	96	92	52
Motor vehicle body repairer	290	34	91	94	55
Motor vehicle painter	x	x	x	x	x
Motorcycle repair mechanic	34	53	89	83	94
Transport trailer technician	31	61	74	89	95
Other	x	x	x	x	x
Manitoba					
Total population	**592**	**64**	**98**	**89**	**27**
Building construction, total	**110**	**58**	**98**	**95**	**33**
Carpenter	81	56	98	96	38
Other	29	66	100	95	21
Electrical, electronics and related trades, total	**x**	**x**	**x**	**x**	**x**
Construction electrician	62	73	98	100	49
Other	x	x	x	x	x
Food and service trades, total	**x**	**x**	**x**	**x**	**x**

Table A.1.2.8 (continued)

Characteristics of completers registered in a Red Seal trade, by main trade and province, 1994 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
Industrial and related mechanical trades, total	**56**	**82**	**100**	**96**	**26**
Industrial mechanic-millwright	30	90	100	96	19
Other	26	73	100	95	37
Metal fabricating trades, total	**78**	**69**	**96**	**100**	**13**
Plumber	33	61	100	100	5
Other	45	76	94	100	18
Motor vehicle and heavy equipment, total	**267**	**61**	**99**	**79**	**23**
Automotive service technician	108	62	99	99	24
Heavy duty equipment mechanic technician	110	66	100	55	18
Motor vehicle body repairer	35	43	93	93	20
Other	14	57	100	100	63
Alberta					
Total population	**6,120**	**60**	**90**	**95**	**38**
Building construction, total	**765**	**42**	**95**	**94**	**37**
Cabinet maker	97	34	94	97	24
Carpenter	428	44	96	94	38
Cement finisher	48	48	87	96	4
Floor covering installer	28	61	94	100	82
Insulator installer heat and frost	66	35	96	91	48
Painter and decorator	44	45	100	90	25
Other	54	26	86	93	43
Electrical, electronics and related trades, total	**720**	**60**	**79**	**97**	**45**
Appliance service technician-serviceman	45	56	96	96	32
Construction electrician	611	61	77	96	49
Electronics technician (consumer products)	37	38	93	100	14
Powerline technician	27	70	89	100	26
Food and service trades, total	**1,138**	**64**	**97**	**99**	**41**
Baker	99	58	95	98	37
Cook	355	44	92	96	26
Hairdresser / hairstylist	684	75	99	100	46
Industrial and related mechanical trades, total	**541**	**61**	**84**	**97**	**34**
Industrial instrument mechanic	216	53	83	96	34
Industrial mechanic-millwright	227	68	83	99	34
Refrigeration and air conditioning mechanic	77	68	94	98	29
Other	21	52	73	82	55
Metal fabricating trades, total	**1,645**	**62**	**88**	**95**	**35**
Machinist	161	72	92	98	26
Plumber	246	59	83	83	40
Sheet metal worker	106	51	94	89	81
Steamfitter-pipefitter	225	55	85	91	27
Steel fabricator	29	55	75	88	50
Welder	843	65	89	99	33
Other	35	40	86	100	29
Motor vehicle and heavy equipment, total	**1,311**	**63**	**91**	**92**	**38**
Agricultural equipment technician	36	69	88	24	88
Automotive service technician	481	64	88	92	33
Heavy duty equipment mechanic technician	479	66	94	97	36
Motor vehicle body repairer	133	48	89	91	63
Partsperson (industrial engine and equipment)	158	60	98	98	34
Other	24	63	87	93	27

Table A.1.2.8 (concluded)

Characteristics of completers registered in a Red Seal trade, by main trade and province, 1994 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
British Columbia					
Total population	**4,506**	**54**	**97**	**97**	**23**
Building construction, total	**1,192**	**40**	**98**	**98**	**24**
Bricklayer	29	21	100	100	17
Carpenter	763	42	97	98	25
Floor covering installer	43	35	100	100	53
Glazier	46	52	96	100	17
Joiner	104	41	100	95	12
Painter and decorator	77	31	96	100	13
Roofer	98	35	100	100	29
Other	32	41	92	100	46
Electrical, electronics and related trades, total	**738**	**62**	**97**	**98**	**26**
Construction electrician	707	61	97	98	28
Other	31	81	96	100	0
Food and service trades, total	**517**	**40**	**99**	**100**	**24**
Baker	64	64	100	100	5
Cook	287	46	98	99	14
Hairdresser / hairstylist	166	20	100	100	82
Industrial and related mechanical trades, total	**253**	**69**	**98**	**98**	**23**
Boilermaker	25	60	93	93	100
Industrial mechanic-millwright	139	73	97	99	15
Refrigeration and air conditioning mechanic	64	66	100	98	24
Other	25	68	100	94	6
Metal fabricating trades, total	**925**	**58**	**96**	**97**	**24**
Ironworker	31	42	100	100	46
Machinist	93	71	98	100	12
Plumber	404	58	95	96	23
Sheet metal worker	153	55	94	96	29
Sprinkler system installer	80	55	100	95	30
Steamfitter-pipefitter	27	59	100	94	31
Steel fabricator	94	61	96	96	30
Welder	36	44	94	100	19
Other	7	100	100	86	0
Motor vehicle and heavy equipment, total	**881**	**65**	**95**	**95**	**19**
Automotive service technician	448	67	97	96	16
Heavy duty equipment mechanic technician	120	68	98	99	10
Motor vehicle body repairer	83	59	84	84	18
Motor vehicle painter	43	79	85	94	53
Partsperson (industrial engine and equipment)	25	72	100	94	33
Truck and transport mechanic	113	62	99	96	17
Other	49	47	91	87	22

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.2.9

Characteristics of completers not registered in a Red Seal trade, by age group at registration and province, 1994 cohort

Province and age group	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
All provinces					
All age groups	**3,559**	**39**	**91**	**92**	**50**
15 to 19 years	244	36	91	91	54
20 to 24 years	892	42	92	86	50
25 to 29 years	721	39	88	92	45
30 to 39 years	1,108	40	91	95	50
40 years and over	577	33	90	97	59
New Brunswick					
All age groups	**110**	**66**	**95**	**79**	**45**
15 to 19 years	8	x	x	x	x
20 to 24 years	31	58	94	72	39
25 to 29 years	28	75	95	86	38
30 to 39 years	30	77	100	78	52
40 years and over	11	55	83	83	33
Quebec (CCQ)					
All age groups	**518**	**20**	**80**	**93**	**92**
15 to 19 years	44	x	x	x	x
20 to 24 years	67	33	86	91	86
25 to 29 years	76	20	67	93	93
30 to 39 years	187	21	80	95	95
40 years and over	144	15	81	100	90
Ontario					
All age groups	**1,588**	**34**	**93**	**92**	**48**
15 to 19 years	124	39	96	92	42
20 to 24 years	441	35	92	85	52
25 to 29 years	341	34	88	91	50
30 to 39 years	442	35	94	97	41
40 years and over	239	31	97	100	55
Manitoba					
All age groups	**52**	**56**	**93**	**100**	**21**
15 to 19 years	x	x	x	x	x
20 to 24 years	17	59	100	100	40
25 to 29 years	14	x	x	x	x
30 to 39 years	11	73	100	100	0
40 years and over	x	x	x	x	x
Alberta					
All age groups	**574**	**48**	**93**	**89**	**47**
15 to 19 years	26	42	82	91	55
20 to 24 years	112	48	91	81	48
25 to 29 years	104	47	90	92	39
30 to 39 years	222	52	95	91	52
40 years and over	105	40	98	90	40
British Columbia					
All age groups	**717**	**50**	**88**	**95**	**48**
15 to 19 years	40	53	90	100	62
20 to 24 years	224	52	93	90	44
25 to 29 years	158	45	92	96	37
30 to 39 years	216	50	82	99	47
40 years and over	77	57	77	98	70

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: The age group totals may not sum up to the total population because of unknown age.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.2.10

Characteristics of completers not registered in a Red Seal trade, by main trade and province, 1994 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
All provinces					
Total population	**3,559**	**39**	**91**	**92**	**50**
Building construction, total	**837**	**32**	**86**	**96**	**57**
Building service technician	365	42	93	99	52
Drywall installer	36	17	100	100	67
Drywall mechanic	25	x	x	x	x
Plasterer	233	19	95	91	57
Sawfitter / benchman (lumber manufacturing)	40	90	56	92	89
Tile setter	33	x	x	x	x
Woodworker	42	33	93	93	36
Other	63	19	42	92	42
Electrical, electronics and related trades, total	**133**	**53**	**89**	**94**	**18**
Other	133	53	89	94	18
Food and service trades, total	**248**	**48**	**96**	**96**	**40**
Assistant cook	36	x	x	x	x
Barber	31	65	100	100	60
Locksmith	47	49	96	91	9
Meat cutter	32	56	89	100	6
Other	102	54	96	96	53
Industrial and related mechanical trades, total	**156**	**65**	**83**	**84**	**47**
Sawfiler	25	88	41	100	100
Other	131	60	95	80	32
Metal fabricating trades, total	**508**	**45**	**94**	**92**	**34**
Gasfitter	62	66	88	100	5
Gasfitter (domestic and commercial)	40	58	70	100	96
Moulder and engraver	236	54	99	89	21
Reinforcing steel erector	35	x	x	x	x
Steel and plate worker	51	20	90	100	90
Other	84	32	100	93	59
Motor vehicle and heavy equipment, total	**1,160**	**36**	**90**	**88**	**72**
Air-cooled and marine engine mechanic (small engines)	42	40	88	82	65
Crane and hoist operator	499	23	93	82	78
Heavy duty equipment operator	87	31	74	89	85
Motor vehicle steering suspension and brakes mechanic	89	34	77	87	90
Motor vehicle transmission mechanic	35	49	94	88	94
Power shovel operator	121	41	82	98	96
Recreation vehicle mechanic	36	58	95	100	86
Small equipment mechanic	67	39	96	85	81
Other	184	59	94	89	38
Other trades, total	**517**	**34**	**96**	**97**	**33**
Horticulture	42	x	x	x	x
Landscape gardener	242	30	93	99	26
Pool and spa installation and service technician	32	19	100	100	83
Other	201	49	98	95	33
New Brunswick					
Total population	**110**	**66**	**95**	**79**	**45**
Electrical, electronics and related trades, total	**x**	**x**	**x**	**x**	**x**
Food and service trades, total	**x**	**x**	**x**	**x**	**x**
Barber	31	65	100	100	60
Other	x	x	x	x	x
Industrial and related mechanical trades, total	**33**	**73**	**92**	**50**	**58**
Other	33	73	92	50	58

Table A.1.2.10 (continued)

Characteristics of completers not registered in a Red Seal trade, by main trade and province, 1994 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number			percent	
Motor vehicle and heavy equipment, total	**28**	**46**	**85**	**77**	**23**
Other	28	46	85	77	23
Other trades, total	**x**	**x**	**x**	**x**	**x**
Quebec (CCQ)					
Total population	**518**	**20**	**80**	**93**	**92**
Building construction, total	**25**	**32**	**75**	**88**	**100**
Plasterer	25	32	75	88	100
Industrial and related mechanical trades, total	**x**	**x**	**x**	**x**	**x**
Metal fabricating trades, total	**x**	**x**	**x**	**x**	**x**
Motor vehicle and heavy equipment, total	**453**	**18**	**78**	**94**	**93**
Crane and hoist operator	245	2	67	83	100
Heavy duty equipment operator	87	31	74	89	85
Power shovel operator	121	41	82	98	96
Ontario					
Total population	**1,588**	**34**	**93**	**92**	**48**
Building construction, total	**541**	**34**	**90**	**97**	**51**
Building service technician	365	42	93	99	52
Drywall mechanic	25	x	x	x	x
Plasterer	38	x	x	x	x
Tile setter	33	x	x	x	x
Woodworker	42	33	93	93	36
Other	38	24	22	89	56
Electrical, electronics and related trades, total	**21**	**38**	**88**	**100**	**25**
Other	21	38	88	100	25
Food and service trades, total	**80**	**25**	**90**	**90**	**60**
Assistant cook	36	x	x	x	x
Other	44	36	88	94	50
Industrial and related mechanical trades, total	**72**	**50**	**97**	**94**	**17**
Other	72	50	97	94	17
Metal fabricating trades, total	**336**	**43**	**99**	**89**	**28**
Moulder and engraver	236	54	99	89	21
Reinforcing steel erector	35	x	x	x	x
Steel and plate worker	51	20	90	100	90
Other	14	x	x	x	x
Motor vehicle and heavy equipment, total	**244**	**38**	**88**	**85**	**84**
Air-cooled and marine engine mechanic (small engines)	42	40	88	82	65
Motor vehicle steering suspension and brakes mechanic	89	34	77	87	90
Motor vehicle transmission mechanic	35	49	94	88	94
Small equipment mechanic	67	39	96	85	81
Other	11	x	x	x	x
Other trades, total	**294**	**20**	**93**	**95**	**50**
Horticulture	42	x	x	x	x
Landscape gardener	133	15	80	95	60
Pool and spa installation and service technician	32	19	100	100	83
Other	87	37	100	94	34

Table A.1.2.10 (continued)

Characteristics of completers not registered in a Red Seal trade, by main trade and province, 1994 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
Manitoba					
Total population	**52**	**56**	**93**	**100**	**21**
Building construction, total	**x**	**x**	**x**	**x**	**x**
Electrical, electronics and related trades, total	**15**	**93**	**93**	**100**	**0**
Other	15	93	93	100	0
Motor vehicle and heavy equipment, total	**15**	**47**	**86**	**100**	**71**
Other	15	47	86	100	71
Other trades, total	**x**	**x**	**x**	**x**	**x**
Alberta					
Total population	**574**	**48**	**93**	**89**	**47**
Building construction, total	**10**	**x**	**x**	**x**	**x**
Other	10	x	x	x	x
Electrical, electronics and related trades, total	**44**	**41**	**78**	**78**	**22**
Other	44	41	78	78	22
Food and service trades, total	**47**	**49**	**96**	**91**	**9**
Locksmith	47	49	96	91	9
Industrial and related mechanical trades, total	**19**	**63**	**92**	**83**	**42**
Other	19	63	92	83	42
Metal fabricating trades, total	**62**	**66**	**88**	**100**	**5**
Gasfitter	62	66	88	100	5
Motor vehicle and heavy equipment, total	**303**	**46**	**95**	**85**	**79**
Crane and hoist operator	254	43	95	82	77
Recreation vehicle mechanic	36	58	95	100	86
Other	13	69	100	89	89
Other trades, total	**89**	**42**	**97**	**97**	**11**
Landscape gardener	70	44	97	100	6
Other	19	32	100	83	33
British Columbia					
Total population	**717**	**50**	**88**	**95**	**48**
Building construction, total	**257**	**29**	**79**	**92**	**68**
Drywall installer	36	17	100	100	67
Plasterer	170	19	100	91	47
Sawfitter / benchman (lumber manufacturing)	40	90	56	92	89
Other	11	x	x	x	x
Electrical, electronics and related trades, total	**51**	**59**	**93**	**100**	**20**
Other	51	59	93	100	20
Food and service trades, total	**77**	**58**	**96**	**98**	**47**
Meat cutter	32	56	89	100	6
Other	45	60	100	96	74
Industrial and related mechanical trades, total	**31**	**90**	**54**	**100**	**79**
Sawfiler	25	88	41	100	100
Other	6	100	100	100	0
Metal fabricating trades, total	**71**	**49**	**80**	**97**	**80**
Gasfitter (domestic and commercial)	40	58	70	100	96
Other	31	39	100	92	50

Table A.1.2.10 (concluded)

Characteristics of completers not registered in a Red Seal trade, by main trade and province, 1994 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number			percent	
Motor vehicle and heavy equipment, total	**117**	**66**	**96**	**91**	**30**
Other	117	66	96	91	30
Other trades, total	**113**	**62**	**97**	**97**	**30**
Landscape gardener	39	54	100	100	24
Other	74	66	96	96	33

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.3.1

Distribution and characteristics of discontinuers by age group at registration and province, 1994 cohort

Province and age group	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	number	years	percent	
All provinces				
All age groups	**27,274**	**4**	**43**	**36**
15 to 19 years	2,719	4	38	38
20 to 24 years	10,005	4	38	36
25 to 29 years	5,760	4	44	35
30 to 39 years	6,353	4	47	36
40 years and over	2,283	4	54	41
New Brunswick				
All age groups	**724**	**4**	**47**	**39**
15 to 19 years	72	5	35	44
20 to 24 years	271	4	47	43
25 to 29 years	177	4	47	32
30 to 39 years	154	3	46	35
40 years and over	42	5	62	42
Quebec (CCQ)				
All age groups	**3,249**	**3**	**62**	**30**
15 to 19 years	279	3	58	36
20 to 24 years	1,052	3	53	22
25 to 29 years	532	3	61	28
30 to 39 years	880	3	65	33
40 years and over	506	3	77	34
Ontario				
All age groups	**10,740**	**4**	**38**	**52**
15 to 19 years	1,127	5	35	53
20 to 24 years	4,203	4	35	51
25 to 29 years	2,294	4	41	50
30 to 39 years	2,241	4	42	52
40 years and over	871	4	43	58

Table A.1.3.1 (concluded)

Distribution and characteristics of discontinuers by age group at registration and province, 1994 cohort

Province and age group	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	number	years	percent	
Manitoba				
All age groups	**644**	**5**	**34**	**34**
15 to 19 years	66	5	29	37
20 to 24 years	238	4	31	26
25 to 29 years	145	5	37	41
30 to 39 years	152	5	36	38
40 years and over	27	4	30	38
Alberta				
All age groups	**6,694**	**4**	**39**	**43**
15 to 19 years	667	4	30	42
20 to 24 years	2,335	4	35	42
25 to 29 years	1,375	4	38	43
30 to 39 years	1,664	4	45	43
40 years and over	536	4	50	48
British Columbia				
All age groups	**5,223**	**2**	**46**	**9**
15 to 19 years	508	3	45	10
20 to 24 years	1,906	3	42	10
25 to 29 years	1,237	2	48	9
30 to 39 years	1,262	3	48	7
40 years and over	301	2	52	6

Note: The age group total may not sum up to the total population because of unknown age.
Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.3.2

Distribution and characteristics of discontinuers by main trade and province, 1994 cohort

Province and main trade	Nominal duration of program in jurisdiction	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	years	number	years	percent	
All provinces					
Total population	...	**27,274**	**4**	**43**	**36**
Building construction, total	...	**4,398**	**4**	**57**	**35**
Bricklayer	2 to 4	192	4	53	61
Building service technician	2 to 4	365	6	33	69
Cabinet maker	4	97	4	65	35
Carpenter	3 to 4	2,133	4	58	31
Cement finisher	2 to 4	112	5	54	51
Drywall installer	3	36	2	83	13
Drywall mechanic	2	25	4	44	100
Floor covering installer	1 to 3	122	3	58	46
Glazier	4	46	2	46	5
Insulator installer heat and frost	4	66	4	58	26
Joiner	4	104	2	59	5
Painter and decorator	2 to 3	222	3	63	32
Plasterer	2 to 4	233	3	79	20
Roofer	1 to 3	204	3	56	39
Sawfitter / benchman (lumber manufacturing)	1 to 2	40	3	10	50
Tile setter	4	33	4	82	26
Woodworker	4	42	4	57	33
Other	...	326	5	60	51
Electrical, electronics and related trades, total	...	**4,092**	**3**	**44**	**18**
Appliance service technician-serviceman	3	45	4	44	45
Construction electrician	4 to 5	2,538	3	36	19
Electronics technician (consumer products)	4	37	5	59	32
Industrial electrician	4 to 5	1,199	3	63	11
Powerline technician	4	61	6	31	74
Other	...	212	4	38	38
Food and service trades, total	...	**4,295**	**4**	**39**	**56**
Assistant cook	1	36	4	50	89
Baker	3	229	5	48	51
Barber	2	31	3	35	82
Cook	3	1,326	4	54	38
Hairdresser / hairstylist	2	2,475	4	30	76
Locksmith	4	47	6	49	52
Meat cutter	3	32	2	44	7
Other	...	119	3	48	35
Industrial and related mechanical trades, total	...	**1,944**	**4**	**31**	**34**
Boilermaker	3	25	4	40	20
Industrial instrument mechanic	4	216	5	44	43
Industrial mechanic-millwright	3 to 5	920	4	26	32
Refrigeration and air conditioning mechanic	4	469	4	34	28
Sawfiler	1	25	2	8	50
Other	...	289	4	38	40
Metal fabricating trades, total	...	**5,502**	**4**	**40**	**27**
Gasfitter	2 to 3	62	4	32	30
Gasfitter (domestic and commercial)	2	40	2	43	29
Ironworker	3	87	4	46	8
Machinist	3 to 4	652	4	37	28
Moulder and engraver	3 to 4	236	4	42	19
Plumber	4 to 5	1,071	3	36	20
Reinforcing steel erector	1 to 2	64	5	75	100
Sheet metal worker	3 to 4	526	4	41	27

Table A.1.3.2 (continued)

Distribution and characteristics of discontinuers by main trade and province, 1994 cohort

Province and main trade	Nominal duration of program in jurisdiction	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	years	number	years	percent	
Sprinkler system installer	4	80	3	41	3
Steamfitter-pipefitter	3 to 4	908	3	57	15
Steel and plate worker	2	51	4	49	84
Steel fabricator	3 to 4	123	4	40	12
Tool and die maker	4	414	4	24	21
Welder	2 to 5	943	4	34	45
Other	...	245	3	47	31
Motor vehicle and heavy equipment, total	...	**6,526**	**4**	**39**	**45**
Agricultural equipment technician	2 to 4	88	5	32	50
Air-cooled and marine engine mechanic (small engines)	2 to 3	42	4	40	88
Automotive service technician	2 to 4	3,286	4	34	26
Crane and hoist operator	1 to 3	499	3	71	94
Heavy duty equipment mechanic technician	4 to 5	809	4	33	25
Heavy duty equipment operator	1	87	3	60	94
Mobile crane operator	1 to 3	49	6	45	82
Motor vehicle body repairer	2 to 4	541	4	47	47
Motor vehicle painter	1 to 2	69	3	36	68
Motor vehicle steering suspension and brakes mechanic	1 to 2	89	5	43	84
Motor vehicle transmission mechanic	2	35	4	40	86
Motorcycle repair mechanic	2	34	4	41	93
Partsperson (industrial engine and equipment)	3	183	4	38	41
Power shovel operator	1	121	2	46	96
Recreation vehicle mechanic	2	36	3	39	86
Small equipment mechanic	2	67	5	43	93
Transport trailer technician	2	31	4	35	91
Truck and transport mechanic	4	155	3	40	11
Other	...	305	3	42	26
Other trades, total	...	**517**	**4**	**56**	**54**
Horticulture	2	42	4	76	78
Landscape gardener	2 to 4	242	4	62	61
Pool and spa installation and service technician	2	32	3	72	83
Other	...	201	4	43	27
New Brunswick					
Total population	...	**724**	**4**	**47**	**39**
Building construction, total	...	**99**	**5**	**65**	**48**
Carpenter	4	64	5	69	48
Other	...	35	5	57	50
Electrical, electronics and related trades, total	...	**106**	**3**	**47**	**10**
Construction electrician	5	73	3	52	5
Other	...	33	4	36	25
Food and service trades, total	...	x	...	x	x
Barber	2	31	3	35	82
Cook	3	44	3	66	41
Other	...	x	...	x	x
Industrial and related mechanical trades, total	...	**108**	**5**	**34**	**46**
Industrial mechanic-millwright	4	36	5	33	42
Other	...	72	5	35	48

Table A.1.3.2 (continued)

Distribution and characteristics of discontinuers by main trade and province, 1994 cohort

Province and main trade	Nominal duration of program in jurisdiction	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	years	number	years	percent	
Metal fabricating trades, total	...	**118**	**4**	**42**	**34**
Machinist	4	25	3	40	20
Plumber	4	37	5	46	35
Welder	3	34	6	32	55
Other	...	22	3	55	25
Motor vehicle and heavy equipment, total	...	**202**	**4**	**48**	**42**
Automotive service technician	4	103	4	50	43
Truck and transport mechanic	4	42	4	45	37
Other	...	57	4	46	42
Other trades, total	...	x	...	x	x
Quebec (CCQ)					
Total population	...	**3,249**	**3**	**62**	**30**
Building construction, total	...	**552**	**3**	**53**	**34**
Bricklayer	3	25	4	40	50
Carpenter	3	302	3	55	22
Floor covering installer	1	26	3	62	100
Painter and decorator	3	59	3	56	21
Plasterer	3	25	2	56	21
Roofer	1	60	4	38	100
Other	...	55	3	56	29
Electrical, electronics and related trades, total	...	**1,403**	**3**	**61**	**10**
Construction electrician	4	405	3	44	19
Industrial electrician	4	998	3	68	7
Industrial and related mechanical trades, total	...	**129**	**3**	**47**	**15**
Refrigeration and air conditioning mechanic	4	98	3	42	22
Other	...	31	3	61	0
Metal fabricating trades, total	...	**708**	**3**	**66**	**18**
Reinforcing steel erector	1	29	2	55	100
Sheet metal worker	3	60	4	55	33
Steamfitter-pipefitter	4	560	3	69	11
Other	...	59	3	58	41
Motor vehicle and heavy equipment, total	...	**457**	**3**	**72**	**97**
Crane and hoist operator	1	245	3	88	99
Heavy duty equipment operator	...	x	...	x	x
Power shovel operator	1	121	2	46	96
Other	...	x	...	x	x
Ontario					
Total population	...	**10,740**	**4**	**38**	**52**
Building construction, total	...	**1,409**	**5**	**56**	**63**
Bricklayer	2	138	4	49	79
Building service technician	2 to 4	365	6	33	69
Carpenter	3	495	5	69	59
Cement finisher	2 to 4	64	5	58	65
Drywall mechanic	2	25	4	44	100
Floor covering installer	3	25	4	64	44
Painter and decorator	2	42	4	71	70
Plasterer	2 to 3	38	4	87	79
Roofer	3	46	6	65	53
Tile setter	4	33	4	82	26
Woodworker	4	42	4	57	33
Other	...	96	6	59	79

Table A.1.3.2 (continued)

Distribution and characteristics of discontinuers by main trade and province, 1994 cohort

Province and main trade	Nominal duration of program in jurisdiction	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	years	number	years	percent	
Electrical, electronics and related trades, total	...	**951**	**4**	**32**	**36**
Construction electrician	4	680	4	29	30
Industrial electrician	4 to 5	201	4	39	39
Powerline technician	4	34	8	35	92
Other	...	36	4	50	44
Food and service trades, total	...	**2,411**	**4**	**36**	**68**
Assistant cook	1	36	4	50	89
Baker	3	66	5	71	68
Cook	3	640	4	54	46
Hairdresser / hairstylist	2	1,625	4	27	86
Other	...	44	3	61	56
Industrial and related mechanical trades, total	...	**807**	**5**	**28**	**40**
Industrial mechanic-millwright	3 to 5	488	4	24	33
Refrigeration and air conditioning mechanic	4	230	5	32	34
Other	...	89	6	39	77
Metal fabricating trades, total	...	**1,895**	**4**	**35**	**34**
Ironworker	3	56	4	39	9
Machinist	3 to 4	373	4	43	27
Moulder and engraver	3 to 4	236	4	42	19
Plumber	4	351	5	28	41
Reinforcing steel erector	2	35	5	91	100
Sheet metal worker	4	207	5	33	47
Steamfitter-pipefitter	3 to 4	96	4	34	24
Steel and plate worker	2	51	4	49	84
Tool and die maker	4	414	4	24	21
Welder	2 to 5	30	4	43	15
Other	...	46	4	41	42
Motor vehicle and heavy equipment, total	...	**2,973**	**4**	**36**	**43**
Agricultural equipment technician	4	52	5	33	47
Air-cooled and marine engine mechanic (small engines)	2 to 3	42	4	40	88
Automotive service technician	2 to 4	2,146	4	33	31
Heavy duty equipment mechanic technician	4	100	4	41	29
Mobile crane operator	1 to 3	49	6	45	82
Motor vehicle body repairer	2 to 3	290	5	48	59
Motor vehicle painter	1	26	4	62	94
Motor vehicle steering suspension and brakes mechanic	1 to 2	89	5	43	84
Motor vehicle transmission mechanic	2	35	4	40	86
Motorcycle repair mechanic	2	34	4	41	93
Small equipment mechanic	2	67	5	43	93
Transport trailer technician	2	31	4	35	91
Other	...	12	6	50	100
Other trades, total	...	**294**	**4**	**64**	**75**
Horticulture	2	42	4	76	78
Landscape gardener	2	133	5	71	84
Pool and spa installation and service technician	2	32	3	72	83
Other	...	87	5	44	47

Table A.1.3.2 (continued)

Distribution and characteristics of discontinuers by main trade and province, 1994 cohort

Province and main trade	Nominal duration of program in jurisdiction	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	years	number	years	percent	
Manitoba					
Total population	...	**644**	**5**	**34**	**34**
Building construction, total	...	**114**	**7**	**39**	**67**
Carpenter	4	81	7	40	72
Other	...	33	7	39	54
Electrical, electronics and related trades, total	...	**79**	**5**	**20**	**44**
Construction electrician	4	62	5	24	40
Other	...	17	6	6	100
Food and service trades, total	...	**x**	...	**x**	**x**
Industrial and related mechanical trades, total	...	**56**	**5**	**18**	**30**
Industrial mechanic-millwright	4	30	3	10	33
Other	...	26	5	27	29
Metal fabricating trades, total	...	**78**	**4**	**24**	**11**
Plumber	5	33	3	27	0
Other	...	45	5	22	20
Motor vehicle and heavy equipment, total	...	**282**	**4**	**38**	**28**
Automotive service technician	4	108	4	37	28
Heavy duty equipment mechanic technician	4	110	4	32	23
Motor vehicle body repairer	4	35	3	54	26
Other	...	29	5	48	43
Other trades, total	...	**x**	...	**x**	**x**
Alberta					
Total population	...	**6,694**	**4**	**39**	**43**
Building construction, total	...	**775**	**4**	**56**	**36**
Cabinet maker	4	97	4	65	35
Carpenter	4	428	4	53	32
Cement finisher	3	48	4	50	29
Floor covering installer	2	28	5	39	91
Insulator installer heat and frost	4	66	4	58	26
Painter and decorator	3	44	5	55	50
Other	...	64	5	73	47
Electrical, electronics and related trades, total	...	**764**	**4**	**36**	**34**
Appliance service technician-serviceman	3	45	4	44	45
Construction electrician	4	611	4	34	30
Electronics technician (consumer products)	4	37	5	59	32
Powerline technician	4	27	5	26	43
Other	...	44	6	50	59
Food and service trades, total	...	**1,185**	**4**	**36**	**60**
Baker	3	99	5	40	55
Cook	3	355	4	55	48
Hairdresser / hairstylist	2	684	3	24	78
Locksmith	4	47	6	49	52
Industrial and related mechanical trades, total	...	**560**	**5**	**36**	**41**
Industrial instrument mechanic	4	216	5	44	43
Industrial mechanic-millwright	4	227	5	30	41
Refrigeration and air conditioning mechanic	4	77	5	31	46
Other	...	40	3	40	19

Table A.1.3.2 (continued)

Distribution and characteristics of discontinuers by main trade and province, 1994 cohort

Province and main trade	Nominal duration of program in jurisdiction	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	years	number	years	percent	
Metal fabricating trades, total	...	**1,707**	**4**	**35**	**38**
Gasfitter	2 to 3	62	4	32	30
Machinist	4	161	5	27	47
Plumber	4	246	4	38	26
Sheet metal worker	4	106	4	43	26
Steamfitter-pipefitter	4	225	4	41	27
Steel fabricator	3	29	4	41	17
Welder	3	843	4	33	48
Other	...	35	4	60	24
Motor vehicle and heavy equipment, total	...	**1,614**	**4**	**38**	**47**
Agricultural equipment technician	2	36	3	31	55
Automotive service technician	4	481	4	33	24
Crane and hoist operator	1 to 3	254	4	55	88
Heavy duty equipment mechanic technician	4	479	4	32	31
Motor vehicle body repairer	3	133	4	50	48
Partsperson (industrial engine and equipment)	3	158	4	40	44
Recreation vehicle mechanic	2	36	3	39	86
Other	...	37	3	35	31
Other trades, total	...	**89**	**4**	**56**	**30**
Landscape gardener	4	70	4	53	30
Other	...	19	3	68	31
British Columbia					
Total population	...	**5,223**	**2**	**46**	**9**
Building construction, total	...	**1,449**	**3**	**61**	**8**
Bricklayer	4	29	4	79	13
Carpenter	4	763	3	56	7
Drywall installer	3	36	2	83	13
Floor covering installer	3	43	2	65	0
Glazier	4	46	2	46	5
Joiner	4	104	2	59	5
Painter and decorator	3	77	2	69	9
Plasterer	4	170	3	81	6
Roofer	3	98	2	63	10
Sawfitter / benchman (lumber manufacturing)	1 to 2	40	3	10	50
Other	...	43	3	65	21
Electrical, electronics and related trades, total	...	**789**	**3**	**38**	**5**
Construction electrician	4	707	3	38	3
Other	...	82	2	33	19
Food and service trades, total	...	**594**	**2**	**57**	**22**
Baker	3	64	2	36	9
Cook	3	287	2	53	8
Hairdresser / hairstylist	2	166	2	80	42
Meat cutter	3	32	2	44	7
Other	...	45	2	40	22
Industrial and related mechanical trades, total	...	**284**	**3**	**27**	**9**
Boilermaker	3	25	4	40	20
Industrial mechanic-millwright	4	139	3	27	11
Refrigeration and air conditioning mechanic	4	64	3	31	0
Sawfiler	1	25	2	8	50
Other	...	31	3	26	0

Table A.1.3.2 (concluded)

Distribution and characteristics of discontinuers by main trade and province, 1994 cohort

Province and main trade	Nominal duration of program in jurisdiction	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	years	number	years	percent	
Metal fabricating trades, total	...	**996**	**3**	**41**	**7**
Gasfitter (domestic and commercial)	2	40	2	43	29
Ironworker	3	31	2	58	6
Machinist	4	93	3	29	7
Plumber	4	404	2	41	4
Sheet metal worker	4	153	2	44	6
Sprinkler system installer	4	80	3	41	3
Steamfitter-pipefitter	4	27	3	37	0
Steel fabricator	4	94	4	39	11
Welder	3	36	3	56	10
Other	...	38	2	50	21
Motor vehicle and heavy equipment, total	...	**998**	**2**	**33**	**4**
Automotive service technician	4	448	2	32	3
Heavy duty equipment mechanic technician	4 to 5	120	3	30	0
Motor vehicle body repairer	4	83	2	36	3
Motor vehicle painter	2	43	2	21	22
Partsperson (industrial engine and equipment)	3	25	3	28	14
Truck and transport mechanic	4	113	2	38	0
Other	...	166	2	39	8
Other trades, total	...	**113**	**2**	**38**	**2**
Landscape gardener	4	39	2	46	6
Other	...	74	2	34	0

... not applicable

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.3.3

Median and mean age at registration of discontinuers by main trade and province, 1994 cohort

Province and main trade	Discontinuers	Median age	Mean age
	number	years	
All provinces			
Total population	**11,597**	**26**	**28**
Building construction, total	**2,495**	**27**	**29**
Bricklayer	101	25	27
Building service technician	119	36	37
Cabinet maker	62	28	28
Carpenter	1,233	26	28
Cement finisher	61	37	40
Drywall installer	30	24	26
Drywall mechanic	11	31	35
Floor covering installer	71	25	27
Glazier	21	29	29
Insulator installer heat and frost	38	29	30
Joiner	61	26	27
Painter and decorator	139	30	32
Plasterer	184	27	28
Roofer	113	28	30
Sawfitter / benchman (lumber manufacturing)	x	x	x
Tile setter	27	29	32
Woodworker	24	26	27
Other	x	x	x
Electrical, electronics and related trades, total	**1,789**	**26**	**28**
Appliance service technician-serviceman	20	32	33
Construction electrician	898	25	27
Electronics technician (consumer products)	21	28	31
Industrial electrician	752	27	29
Powerline technician	19	28	29
Other	79	28	30
Food and service trades, total	**1,682**	**24**	**27**
Assistant cook	18	29	29
Baker	110	27	28
Barber	11	22	24
Cook	716	24	27
Hairdresser / hairstylist	734	23	26
Locksmith	23	33	34
Meat cutter	14	24	25
Other	56	27	29
Industrial and related mechanical trades, total	**607**	**31**	**31**
Boilermaker	10	24	27
Industrial instrument mechanic	92	32	33
Industrial mechanic-millwright	237	31	32
Refrigeration and air conditioning mechanic	158	27	29
Sawfiler	x	x	x
Other	x	x	x
Metal fabricating trades, total	**2,203**	**26**	**28**
Gasfitter	20	32	33
Gasfitter (domestic and commercial)	17	29	29
Ironworker	40	27	29
Machinist	240	25	26
Moulder and engraver	97	23	24
Plumber	375	26	28
Reinforcing steel erector	48	28	30
Sheet metal worker	215	27	29
Sprinkler system installer	33	28	27
Steamfitter-pipefitter	517	28	30
Steel and plate worker	25	26	27
Steel fabricator	49	25	27
Tool and die maker	99	25	27
Welder	313	26	28
Other	115	30	31

Table A.1.3.3 (continued)

Median and mean age at registration of discontinuers by main trade and province, 1994 cohort

Province and main trade	Discontinuers	Median age	Mean age
	number	years	
Motor vehicle and heavy equipment, total	**2,532**	**25**	**28**
Agricultural equipment technician	28	21	24
Air-cooled and marine engine mechanic (small engines)	17	31	29
Automotive service technician	1,099	24	26
Crane and hoist operator	354	31	32
Heavy duty equipment mechanic technician	259	26	28
Heavy duty equipment operator	52	39	39
Mobile crane operator	22	31	30
Motor vehicle body repairer	248	23	25
Motor vehicle painter	25	24	24
Motor vehicle steering suspension and brakes mechanic	38	26	28
Motor vehicle transmission mechanic	14	23	24
Motorcycle repair mechanic	14	26	25
Partsperson (industrial engine and equipment)	68	25	27
Power shovel operator	56	38	38
Recreation vehicle mechanic	13	32	34
Small equipment mechanic	29	27	28
Transport trailer technician	11	29	31
Truck and transport mechanic	62	25	27
Other	123	26	29
Other trades, total	**289**	**27**	**29**
Horticulture	32	29	32
Landscape gardener	148	27	29
Pool and spa installation and service technician	23	30	28
Other	86	28	29
New Brunswick			
Total population	**334**	**25**	**27**
Building construction, total	**63**	**25**	**26**
Carpenter	43	25	26
Other	20	26	28
Electrical, electronics and related trades, total	**50**	**26**	**26**
Construction electrician	38	25	26
Other	12	26	27
Food and service trades, total	**x**	**x**	**x**
Barber	11	22	24
Cook	29	26	28
Other	x	x	x
Industrial and related mechanical trades, total	**35**	**34**	**35**
Industrial mechanic-millwright	12	36	37
Other	23	33	34
Metal fabricating trades, total	**49**	**26**	**27**
Machinist	9	25	26
Plumber	17	28	28
Welder	11	26	26
Other	12	27	29
Motor vehicle and heavy equipment, total	**96**	**23**	**25**
Automotive service technician	51	22	24
Truck and transport mechanic	19	25	26
Other	26	23	25

Table A.1.3.3 (continued)

Median and mean age at registration of discontinuers by main trade and province, 1994 cohort

Province and main trade	Discontinuers	Median age	Mean age
	number	years	
Quebec (CCQ)			
Total population	**2,003**	**29**	**31**
Building construction, total	**294**	**34**	**34**
Bricklayer	10	27	30
Carpenter	167	34	34
Floor covering installer	16	31	32
Painter and decorator	33	39	38
Plasterer	14	33	33
Roofer	23	30	32
Other	31	34	36
Electrical, electronics and related trades, total	**854**	**26**	**28**
Construction electrician	180	23	26
Industrial electrician	674	27	29
Industrial and related mechanical trades, total	**60**	**30**	**31**
Refrigeration and air conditioning mechanic	41	27	29
Other	19	36	35
Metal fabricating trades, total	**468**	**29**	**31**
Reinforcing steel erector	16	38	38
Sheet metal worker	33	32	33
Steamfitter-pipefitter	385	27	30
Other	34	35	35
Motor vehicle and heavy equipment, total	**327**	**33**	**34**
Crane and hoist operator	215	30	31
Heavy duty equipment operator	x	x	x
Power shovel operator	56	38	38
Other	x	x	x
Ontario			
Total population	**4,129**	**25**	**28**
Building construction, total	**795**	**28**	**30**
Bricklayer	68	25	27
Building service technician	119	36	37
Carpenter	343	26	28
Cement finisher	37	45	44
Drywall mechanic	11	31	35
Floor covering installer	16	27	28
Painter and decorator	30	29	30
Plasterer	33	28	28
Roofer	30	27	29
Tile setter	27	29	32
Woodworker	24	26	27
Other	57	29	29
Electrical, electronics and related trades, total	**301**	**27**	**28**
Construction electrician	193	24	26
Industrial electrician	78	31	32
Powerline technician	12	28	31
Other	18	33	35
Food and service trades, total	**878**	**24**	**27**
Assistant cook	18	29	29
Baker	47	26	28
Cook	345	25	27
Hairdresser / hairstylist	441	23	26
Other	27	25	27

Table A.1.3.3 (continued)

Median and mean age at registration of discontinuers by main trade and province, 1994 cohort

Province and main trade	Discontinuers	Median age	Mean age
	number	years	
Industrial and related mechanical trades, total	**224**	**29**	**30**
Industrial mechanic-millwright	116	30	31
Refrigeration and air conditioning mechanic	73	26	27
Other	35	32	33
Metal fabricating trades, total	**666**	**25**	**26**
Ironworker	22	25	26
Machinist	161	25	26
Moulder and engraver	97	23	24
Plumber	97	25	27
Reinforcing steel erector	32	25	26
Sheet metal worker	68	27	28
Steamfitter-pipefitter	33	27	29
Steel and plate worker	25	26	27
Tool and die maker	99	25	27
Welder	13	25	28
Other	19	27	28
Motor vehicle and heavy equipment, total	**1,078**	**24**	**26**
Agricultural equipment technician	17	20	23
Air-cooled and marine engine mechanic (small engines)	17	31	29
Automotive service technician	714	24	26
Heavy duty equipment mechanic technician	41	27	28
Mobile crane operator	22	31	30
Motor vehicle body repairer	139	23	25
Motor vehicle painter	16	24	24
Motor vehicle steering suspension and brakes mechanic	38	26	28
Motor vehicle transmission mechanic	14	23	24
Motorcycle repair mechanic	14	26	25
Small equipment mechanic	29	27	28
Transport trailer technician	11	29	31
Other	6	32	35
Other trades, total	**187**	**26**	**28**
Horticulture	32	29	32
Landscape gardener	94	26	28
Pool and spa installation and service technician	23	30	28
Other	38	26	28
Manitoba			
Total population	**210**	**26**	**27**
Building construction, total	**44**	**27**	**27**
Carpenter	31	27	27
Other	13	28	27
Electrical, electronics and related trades, total	**16**	**24**	**26**
Food and service trades, total	**x**	**x**	**x**
Industrial and related mechanical trades, total	**10**	**37**	**35**
Metal fabricating trades, total	**18**	**30**	**29**
Plumber	8	33	30
Other	10	27	29
Motor vehicle and heavy equipment, total	**102**	**25**	**26**
Automotive service technician	39	24	25
Heavy duty equipment mechanic technician	34	28	28
Motor vehicle body repairer	19	24	25
Other	10	25	24
Other trades, total	**x**	**x**	**x**

Table A.1.3.3 (continued)

Median and mean age at registration of discontinuers by main trade and province, 1994 cohort

Province and main trade	Discontinuers	Median age	Mean age
	number	years	
Alberta			
Total population	**2,544**	**27**	**29**
Building construction, total	**425**	**26**	**28**
Cabinet maker	62	28	28
Carpenter	220	25	27
Cement finisher	24	33	34
Floor covering installer	11	23	24
Insulator installer heat and frost	38	29	30
Painter and decorator	23	27	29
Other	47	25	27
Electrical, electronics and related trades, total	**270**	**27**	**28**
Appliance service technician-serviceman	20	32	33
Construction electrician	201	26	28
Electronics technician (consumer products)	21	28	31
Powerline technician	7	28	27
Other	21	25	26
Food and service trades, total	**414**	**25**	**27**
Baker	40	27	28
Cook	190	25	27
Hairdresser / hairstylist	161	24	26
Locksmith	23	33	34
Industrial and related mechanical trades, total	**201**	**32**	**32**
Industrial instrument mechanic	92	32	33
Industrial mechanic-millwright	69	31	31
Refrigeration and air conditioning mechanic	24	35	35
Other	16	28	29
Metal fabricating trades, total	**589**	**28**	**29**
Gasfitter	20	32	33
Machinist	43	28	29
Plumber	89	26	29
Sheet metal worker	46	24	26
Steamfitter-pipefitter	89	29	31
Steel fabricator	12	36	34
Welder	269	27	28
Other	21	26	27
Motor vehicle and heavy equipment, total	**596**	**27**	**29**
Agricultural equipment technician	11	24	26
Automotive service technician	151	25	27
Crane and hoist operator	139	33	34
Heavy duty equipment mechanic technician	148	27	29
Motor vehicle body repairer	60	23	24
Partsperson (industrial engine and equipment)	61	24	27
Recreation vehicle mechanic	13	32	34
Other	13	23	24
Other trades, total	**49**	**29**	**31**
Landscape gardener	36	29	30
Other	13	31	33

Table A.1.3.3 (concluded)

Median and mean age at registration of discontinuers by main trade and province, 1994 cohort

Province and main trade	Discontinuers	Median age	Mean age
	number	years	
British Columbia			
Total population	**2,377**	**26**	**27**
Building construction, total	**874**	**26**	**27**
Bricklayer	23	25	26
Carpenter	429	25	27
Drywall installer	30	24	26
Floor covering installer	28	24	25
Glazier	21	29	29
Joiner	61	26	27
Painter and decorator	53	29	30
Plasterer	137	26	27
Roofer	60	29	29
Sawfitter / benchman (lumber manufacturing)	x	x	x
Other	x	x	x
Electrical, electronics and related trades, total	**298**	**26**	**28**
Construction electrician	271	26	27
Other	27	29	31
Food and service trades, total	**339**	**24**	**26**
Baker	23	28	30
Cook	152	24	25
Hairdresser / hairstylist	132	23	26
Meat cutter	14	24	25
Other	18	33	34
Industrial and related mechanical trades, total	**77**	**30**	**31**
Boilermaker	10	24	27
Industrial mechanic-millwright	37	33	32
Refrigeration and air conditioning mechanic	20	30	30
Sawfiler	x	x	x
Other	x	x	x
Metal fabricating trades, total	**413**	**26**	**28**
Gasfitter (domestic and commercial)	17	29	29
Ironworker	18	31	31
Machinist	27	25	26
Plumber	164	26	27
Sheet metal worker	68	27	29
Sprinkler system installer	33	28	27
Steamfitter-pipefitter	10	29	29
Steel fabricator	37	24	25
Welder	20	21	25
Other	19	30	34
Motor vehicle and heavy equipment, total	**333**	**25**	**27**
Automotive service technician	144	24	25
Heavy duty equipment mechanic technician	36	24	26
Motor vehicle body repairer	30	25	26
Motor vehicle painter	9	26	26
Partsperson (industrial engine and equipment)	7	25	28
Truck and transport mechanic	43	25	27
Other	64	27	29
Other trades, total	**43**	**30**	**29**
Landscape gardener	18	29	30
Other	25	30	29

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Note: Apprentices for whom the age is unknown are excluded from this table.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.3.4

Distribution of discontinuers by duration of program and by province, 1994 cohort

Province and program duration	All apprentices	Discontinuers
	number	percent
All provinces		
Total population	**27,274**	**43**
1 year	911	61
2 years	4,092	37
3 years	5,581	50
4 years	16,465	41
5 years	225	32
New Brunswick		
Total population	**724**	**47**
1 year	x	x
2 years	x	x
3 years	151	48
4 years	455	47
5 years	74	51
Quebec (CCQ)		
Total population	**3,249**	**62**
1 year	568	67
2 years	57	56
3 years	534	56
4 years	2,081	62
5 years	9	78
Ontario		
Total population	**10,740**	**38**
1 year	98	54
2 years	2,792	38
3 years	2,046	54
4 years	5,740	33
5 years	64	11
Manitoba		
Total population	**644**	**34**
1 year	0	0
2 years	9	x
3 years	38	55
4 years	559	33
5 years	38	29
Alberta		
Total population	**6,694**	**39**
1 year	200	61
2 years	799	26
3 years	1,948	42
4 years	3,747	39
5 years	0	0
British Columbia		
Total population	**5,223**	**46**
1 year	40	x
2 years	396	52
3 years	864	55
4 years	3,883	44
5 years	40	25

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.4.1

Distribution and characteristics of 2004 continuers by age group at registration and province, 1994 cohort

Province and age group	Total number of registered apprentices	2004 continuers	Continuers in the same trade	No interruption
	number		percent	
All provinces				
All age groups	**27,274**	**8**	**88**	**67**
15 to 19 years	2,719	7	78	55
20 to 24 years	10,005	7	85	62
25 to 29 years	5,760	7	89	70
30 to 39 years	6,353	9	91	69
40 years and over	2,283	12	94	81
New Brunswick				
All age groups	**724**	**3**	**89**	**58**
15 to 19 years	72	x	x	0
20 to 24 years	271	2	x	x
25 to 29 years	177	x	x	x
30 to 39 years	154	x	x	x
40 years and over	42	x	x	x
Quebec (CCQ)				
All age groups	**3,249**	**16**	**94**	**39**
15 to 19 years	279	14	95	26
20 to 24 years	1,052	15	93	30
25 to 29 years	532	16	98	43
30 to 39 years	880	20	94	41
40 years and over	506	15	93	53
Ontario				
All age groups	**10,740**	**12**	**90**	**87**
15 to 19 years	1,127	11	82	75
20 to 24 years	4,203	10	87	83
25 to 29 years	2,294	12	92	89
30 to 39 years	2,241	15	93	92
40 years and over	871	22	96	95
Manitoba				
All age groups	**644**	**2**	**75**	**69**
15 to 19 years	66	x	x	x
20 to 24 years	238	3	75	x
25 to 29 years	145	x	x	x
30 to 39 years	152	x	0	x
40 years and over	27	x	x	x
Alberta				
All age groups	**6,694**	**2**	**57**	**13**
15 to 19 years	667	2	x	0
20 to 24 years	2,335	2	63	12
25 to 29 years	1,375	3	57	19
30 to 39 years	1,664	2	63	x
40 years and over	536	2	x	x
British Columbia				
All age groups	**5,223**	**1**	**52**	**x**
15 to 19 years	508	2	x	0
20 to 24 years	1,906	1	52	x
25 to 29 years	1,237	0	0	0
30 to 39 years	1,262	1	55	0
40 years and over	301	x	0	0

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: The age group total may not sum up to the total population because of unknown age.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.4.2

Distribution and characteristics of 2004 continuers by main trade and province, 1994 cohort

Province and main trade	Total number of registered apprentices	2004 continuers	Continuers in the same trade	No interruption
	number		percent	
All provinces				
Total population	**27,274**	**8**	**88**	**67**
Building construction, total	**4,398**	**9**	**89**	**75**
Bricklayer	192	31	93	90
Building service technician	365	25	95	95
Cabinet maker	97	x	x	0
Carpenter	2,133	6	87	57
Cement finisher	112	23	96	96
Drywall installer	36	0	0	0
Drywall mechanic	25	52	85	85
Floor covering installer	122	6	100	100
Glazier	46	x	0	0
Insulator installer heat and frost	66	x	x	0
Joiner	104	0	0	0
Painter and decorator	222	5	91	82
Plasterer	233	x	x	x
Roofer	204	9	67	61
Sawfitter / benchman (lumber manufacturing)	40	0	0	0
Tile setter	33	x	x	x
Woodworker	42	x	x	x
Other	326	8	88	68
Electrical, electronics and related trades, total	**4,092**	**10**	**95**	**43**
Appliance service technician-serviceman	45	0	0	0
Construction electrician	2,538	5	92	46
Electronics technician (consumer products)	37	x	x	x
Industrial electrician	1,199	21	98	40
Powerline technician	61	21	85	77
Other	212	7	64	50
Food and service trades, total	**4,295**	**6**	**97**	**93**
Assistant cook	36	39	93	93
Baker	229	3	86	x
Barber	31	0	0	0
Cook	1,326	8	95	91
Hairdresser / hairstylist	2,475	4	100	95
Locksmith	47	x	x	x
Meat cutter	32	0	0	0
Other	119	x	x	x
Industrial and related mechanical trades, total	**1,944**	**9**	**91**	**86**
Boilermaker	25	0	0	0
Industrial instrument mechanic	216	3	x	x
Industrial mechanic-millwright	920	14	94	92
Refrigeration and air conditioning mechanic	469	4	71	71
Sawfiler	25	x	0	0
Other	289	7	95	80
Metal fabricating trades, total	**5,502**	**7**	**80**	**56**
Gasfitter	62	x	0	0
Gasfitter (domestic and commercial)	40	0	0	0
Ironworker	87	x	x	x
Machinist	652	7	83	74
Moulder and engraver	236	5	64	64
Plumber	1,071	4	77	58
Reinforcing steel erector	64	x	x	x
Sheet metal worker	526	6	82	56
Sprinkler system installer	80	x	x	x
Steamfitter-pipefitter	908	16	92	48
Steel and plate worker	51	31	0	81
Steel fabricator	123	x	0	0
Tool and die maker	414	11	78	73
Welder	943	2	79	x
Other	245	7	76	53

Table A.1.4.2 (continued)

Distribution and characteristics of 2004 continuers by main trade and province, 1994 cohort

Province and main trade	Total number of registered apprentices	2004 continuers	Continuers in the same trade	No interruption
	number		percent	
Motor vehicle and heavy equipment, total	**6,526**	**7**	**81**	**70**
Agricultural equipment technician	88	x	x	x
Air-cooled and marine engine mechanic (small engines)	42	19	75	75
Automotive service technician	3,286	7	86	74
Crane and hoist operator	499	6	75	50
Heavy duty equipment mechanic technician	809	3	54	46
Heavy duty equipment operator	87	9	100	x
Mobile crane operator	49	x	x	x
Motor vehicle body repairer	541	11	73	72
Motor vehicle painter	69	x	x	x
Motor vehicle steering suspension and brakes mechanic	89	24	81	76
Motor vehicle transmission mechanic	35	x	x	x
Motorcycle repair mechanic	34	x	x	x
Partsperson (industrial engine and equipment)	183	0	0	0
Power shovel operator	121	12	87	x
Recreation vehicle mechanic	36	x	0	0
Small equipment mechanic	67	18	83	75
Transport trailer technician	31	x	x	x
Truck and transport mechanic	155	0	0	0
Other	305	2	x	x
Other trades, total	**517**	**9**	**94**	**94**
Horticulture	42	19	100	100
Landscape gardener	242	9	86	86
Pool and spa installation and service technician	32	x	x	x
Other	201	8	100	100
New Brunswick				
Total population	**724**	**3**	**89**	**58**
Building construction, total	**99**	**x**	**x**	**x**
Carpenter	64	x	x	x
Other	35	x	x	x
Electrical, electronics and related trades, total	**106**	**x**	**x**	**x**
Construction electrician	73	x	x	0
Other	33	x	x	x
Food and service trades, total	**x**	**x**	**x**	**x**
Barber	31	0	0	0
Cook	44	x	x	x
Other	x	x	x	x
Industrial and related mechanical trades, total	**108**	**x**	**x**	**x**
Industrial mechanic-millwright	36	0	0	0
Other	72	x	x	x
Metal fabricating trades, total	**118**	**x**	**x**	**x**
Machinist	25	0	0	0
Plumber	37	0	0	0
Welder	34	0	0	0
Other	22	x	x	x
Motor vehicle and heavy equipment, total	**202**	**3**	**x**	**x**
Automotive service technician	103	x	x	x
Truck and transport mechanic	42	0	0	0
Other	57	x	x	x
Other trades, total	**x**	**x**	**x**	**x**

Table A.1.4.2 (continued)

Distribution and characteristics of 2004 continuers by main trade and province, 1994 cohort

Province and main trade	Total number of registered apprentices	2004 continuers	Continuers in the same trade	No interruption
	number		percent	
Quebec (CCQ)				
Total population	**3,249**	**16**	**94**	**39**
Building construction, total	**552**	**12**	**88**	**43**
Bricklayer	25	x	x	0
Carpenter	302	14	95	37
Floor covering installer	26	x	x	x
Painter and decorator	59	12	86	86
Plasterer	25	x	x	0
Roofer	60	13	x	x
Other	55	x	x	x
Electrical, electronics and related trades, total	**1,403**	**19**	**99**	**32**
Construction electrician	405	9	97	21
Industrial electrician	998	23	99	33
Industrial and related mechanical trades, total	**129**	**6**	**75**	**x**
Refrigeration and air conditioning mechanic	98	x	x	x
Other	31	x	x	x
Metal fabricating trades, total	**708**	**19**	**92**	**45**
Reinforcing steel erector	29	x	x	x
Sheet metal worker	60	10	100	x
Steamfitter-pipefitter	560	21	95	48
Other	59	12	x	x
Motor vehicle and heavy equipment, total	**457**	**10**	**89**	**51**
Crane and hoist operator	245	10	88	58
Heavy duty equipment operator	x	x	x	x
Power shovel operator	121	12	87	x
Other	x	x	x	x
Ontario				
Total population	**10,740**	**12**	**90**	**87**
Building construction, total	**1,409**	**21**	**93**	**90**
Bricklayer	138	41	95	93
Building service technician	365	25	95	95
Carpenter	495	13	89	83
Cement finisher	64	39	96	96
Drywall mechanic	25	52	85	85
Floor covering installer	25	24	100	100
Painter and decorator	42	x	x	x
Plasterer	38	x	x	x
Roofer	46	17	88	88
Tile setter	33	x	x	x
Woodworker	42	x	x	x
Other	96	17	88	75
Electrical, electronics and related trades, total	**951**	**10**	**94**	**88**
Construction electrician	680	8	98	87
Industrial electrician	201	12	96	96
Powerline technician	34	35	83	83
Other	36	22	75	75
Food and service trades, total	**2,411**	**9**	**98**	**96**
Assistant cook	36	39	93	93
Baker	66	x	x	x
Cook	640	15	97	95
Hairdresser / hairstylist	1,625	7	100	97
Other	44	x	x	x

Table A.1.4.2 (continued)

Distribution and characteristics of 2004 continuers by main trade and province, 1994 cohort

Province and main trade	Total number of registered apprentices	2004 continuers	Continuers in the same trade	No interruption
	number		percent	
Industrial and related mechanical trades, total	**807**	**18**	**96**	**95**
Industrial mechanic-millwright	488	25	96	94
Refrigeration and air conditioning mechanic	230	4	90	90
Other	89	16	100	100
Metal fabricating trades, total	**1,895**	**10**	**76**	**77**
Ironworker	56	x	x	x
Machinist	373	12	84	78
Moulder and engraver	236	5	64	64
Plumber	351	9	87	80
Reinforcing steel erector	35	0	0	0
Sheet metal worker	207	10	90	76
Steamfitter-pipefitter	96	15	93	86
Steel and plate worker	51	31	0	81
Tool and die maker	414	11	78	73
Welder	30	x	x	x
Other	46	17	75	75
Motor vehicle and heavy equipment, total	**2,973**	**11**	**87**	**80**
Agricultural equipment technician	52	x	x	x
Air-cooled and marine engine mechanic (small engines)	42	19	75	75
Automotive service technician	2,146	10	89	80
Heavy duty equipment mechanic technician	100	10	90	90
Mobile crane operator	49	x	x	x
Motor vehicle body repairer	290	18	83	81
Motor vehicle painter	26	x	x	x
Motor vehicle steering suspension and brakes mechanic	89	24	81	76
Motor vehicle transmission mechanic	35	x	x	x
Motorcycle repair mechanic	34	x	x	x
Small equipment mechanic	67	18	83	75
Transport trailer technician	31	x	x	x
Other	12	x	x	x
Other trades, total	**294**	**16**	**98**	**98**
Horticulture	42	19	100	100
Landscape gardener	133	14	95	95
Pool and spa installation and service technician	32	x	x	x
Other	87	20	100	100
Manitoba				
Total population	**644**	**2**	**75**	**69**
Building construction, total	**114**	**x**	**x**	**x**
Carpenter	81	x	x	x
Other	33	x	x	x
Electrical, electronics and related trades, total	**79**	**x**	**x**	**x**
Construction electrician	62	x	x	x
Other	17	0	0	0
Food and service trades, total	**x**	**x**	**x**	**x**
Industrial and related mechanical trades, total	**56**	**0**	**0**	**0**
Industrial mechanic-millwright	30	0	0	0
Other	26	0	0	0
Metal fabricating trades, total	**78**	**x**	**x**	**x**
Plumber	33	x	x	x
Other	45	x	x	x

Table A.1.4.2 (continued)

Distribution and characteristics of 2004 continuers by main trade and province, 1994 cohort

Province and main trade	Total number of registered apprentices	2004 continuers	Continuers in the same trade	No interruption
	number		percent	
Motor vehicle and heavy equipment, total	**282**	**x**	**x**	**x**
Automotive service technician	108	x	0	0
Heavy duty equipment mechanic technician	110	x	x	x
Motor vehicle body repairer	35	x	0	0
Other	29	0	0	0
Other trades, total	**x**	**x**	**x**	**x**
Alberta				
Total population	**6,694**	**2**	**57**	**13**
Building construction, total	**775**	**2**	**63**	**x**
Cabinet maker	97	x	x	0
Carpenter	428	3	x	0
Cement finisher	48	x	x	x
Floor covering installer	28	0	0	0
Insulator installer heat and frost	66	x	x	0
Painter and decorator	44	0	0	0
Other	64	x	x	0
Electrical, electronics and related trades, total	**764**	**5**	**69**	**18**
Appliance service technician-serviceman	45	0	0	0
Construction electrician	611	5	73	18
Electronics technician (consumer products)	37	x	x	x
Powerline technician	27	x	x	0
Other	44	x	x	0
Food and service trades, total	**1,185**	**1**	**75**	**x**
Baker	99	x	x	0
Cook	355	x	x	0
Hairdresser / hairstylist	684	x	x	0
Locksmith	47	x	x	x
Industrial and related mechanical trades, total	**560**	**2**	**58**	**x**
Industrial instrument mechanic	216	3	x	x
Industrial mechanic-millwright	227	x	x	x
Refrigeration and air conditioning mechanic	77	x	0	0
Other	40	x	x	0
Metal fabricating trades, total	**1,707**	**3**	**57**	**x**
Gasfitter	62	x	0	0
Machinist	161	x	x	0
Plumber	246	3	x	x
Sheet metal worker	106	6	x	0
Steamfitter-pipefitter	225	4	67	0
Steel fabricator	29	x	0	0
Welder	843	2	76	0
Other	35	0	0	0
Motor vehicle and heavy equipment, total	**1,614**	**2**	**38**	**x**
Agricultural equipment technician	36	0	0	0
Automotive service technician	481	3	56	x
Crane and hoist operator	254	x	0	0
Heavy duty equipment mechanic technician	479	2	x	x
Motor vehicle body repairer	133	x	0	0
Partsperson (industrial engine and equipment)	158	0	0	0
Recreation vehicle mechanic	36	x	0	0
Other	37	0	0	0
Other trades, total	**89**	**x**	**0**	**0**
Landscape gardener	70	x	0	0
Other	19	0	0	0

Table A.1.4.2 (concluded)

Distribution and characteristics of 2004 continuers by main trade and province, 1994 cohort

Province and main trade	Total number of registered apprentices	2004 continuers	Continuers in the same trade	No interruption
	number		percent	
British Columbia				
Total population	**5,223**	**1**	**52**	**x**
Building construction, total	**1,449**	**1**	**53**	**x**
Bricklayer	29	0	0	0
Carpenter	763	1	70	x
Drywall installer	36	0	0	0
Floor covering installer	43	0	0	0
Glazier	46	x	0	0
Joiner	104	0	0	0
Painter and decorator	77	0	0	0
Plasterer	170	x	0	0
Roofer	98	x	0	0
Sawfitter / benchman (lumber manufacturing)	40	0	0	0
Other	43	x	x	0
Electrical, electronics and related trades, total	**789**	**1**	**100**	**0**
Construction electrician	707	1	100	0
Other	82	0	0	0
Food and service trades, total	**594**	**x**	**0**	**0**
Baker	64	0	0	0
Cook	287	x	0	0
Hairdresser / hairstylist	166	0	0	0
Meat cutter	32	0	0	0
Other	45	0	0	0
Industrial and related mechanical trades, total	**284**	**x**	**x**	**0**
Boilermaker	25	0	0	0
Industrial mechanic-millwright	139	x	x	0
Refrigeration and air conditioning mechanic	64	x	0	0
Sawfiler	25	x	0	0
Other	31	0	0	0
Metal fabricating trades, total	**996**	**1**	**73**	**x**
Gasfitter (domestic and commercial)	40	0	0	0
Ironworker	31	0	0	0
Machinist	93	0	0	0
Plumber	404	1	100	0
Sheet metal worker	153	x	0	0
Sprinkler system installer	80	x	x	x
Steamfitter-pipefitter	27	x	0	0
Steel fabricator	94	0	0	0
Welder	36	0	0	0
Other	38	0	0	0
Motor vehicle and heavy equipment, total	**998**	**1**	**x**	**0**
Automotive service technician	448	x	x	0
Heavy duty equipment mechanic technician	120	x	0	0
Motor vehicle body repairer	83	x	0	0
Motor vehicle painter	43	0	0	0
Partsperson (industrial engine and equipment)	25	0	0	0
Truck and transport mechanic	113	0	0	0
Other	166	x	0	0
Other trades, total	**113**	**0**	**0**	**0**
Landscape gardener	39	0	0	0
Other	74	0	0	0

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.4.3

Median and mean age at registration of 2004 continuers by major trade group and province, 1994 cohort

Province and major trade group	2004 continuers	Median age	Mean age
	number	years	
All provinces			
Total population	**2,104**	**27**	**29**
Building construction	406	30	31
Electrical, electronics and related trades	417	26	28
Food and service trades	237	25	28
Industrial and related mechanical trades	171	39	37
Metal fabricating trades	391	25	27
Motor vehicle and heavy equipment	433	24	26
Other trades	49	28	29
New Brunswick			
Total population	**19**	**26**	**28**
Building construction	x	x	x
Electrical, electronics and related trades	x	x	x
Food and service trades	x	x	x
Industrial and related mechanical trades	x	x	x
Metal fabricating trades	x	x	x
Motor vehicle and heavy equipment	7	23	26
Quebec (CCQ)			
Total population	**527**	**29**	**30**
Building construction	67	30	30
Electrical, electronics and related trades	268	26	29
Industrial and related mechanical trades	8	26	27
Metal fabricating trades	137	29	30
Motor vehicle and heavy equipment	47	35	35
Ontario			
Total population	**1,338**	**26**	**29**
Building construction	295	31	32
Electrical, electronics and related trades	98	27	28
Food and service trades	226	25	28
Industrial and related mechanical trades	146	40	38
Metal fabricating trades	193	24	25
Motor vehicle and heavy equipment	333	23	25
Other trades	47	28	29
Manitoba			
Total population	**16**	**22**	**24**
Building construction	x	x	x
Electrical, electronics and related trades	x	x	x
Metal fabricating trades	x	x	x
Motor vehicle and heavy equipment	x	x	x
Alberta			
Total population	**156**	**26**	**27**
Building construction	19	26	26
Electrical, electronics and related trades	39	26	28
Food and service trades	8	24	25
Industrial and related mechanical trades	12	32	31
Metal fabricating trades	44	25	26
Motor vehicle and heavy equipment	32	25	26
Other trades	x	x	x

Table A.1.4.3 (concluded)

Median and mean age at registration of 2004 continuers by major trade group and province, 1994 cohort

Province and major trade group	2004 continuers	Median age	Mean age
	number	years	
British Columbia			
Total population	**48**	**22**	**25**
Building construction	15	22	23
Electrical, electronics and related trades	7	21	24
Food and service trades	x	x	x
Industrial and related mechanical trades	x	x	x
Metal fabricating trades	11	20	23
Motor vehicle and heavy equipment	10	22	24

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: Apprentices for whom the age is unknown are excluded from this table.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.5.1

Distribution of certificate of apprenticeship holders by time spent in program, age group at registration and province, 1994 cohort

Province and age group	Certificate of apprenticeship holders	1 to 3 years	4 years	5 or 6 years	7 years or more
	number	percent			
All provinces					
All age groups	**13,451**	**26**	**23**	**38**	**13**
15 to 19 years	1,504	17	19	48	16
20 to 24 years	5,482	22	22	41	15
25 to 29 years	2,825	26	25	37	12
30 to 39 years	2,814	31	24	33	11
40 years and over	770	47	20	25	9
New Brunswick					
All age groups	**364**	**23**	**21**	**31**	**24**
15 to 19 years	45	x	x	53	22
20 to 24 years	136	21	17	33	29
25 to 29 years	88	18	31	28	23
30 to 39 years	77	32	23	22	22
40 years and over	14	64	x	x	x
Quebec (CCQ)					
All age groups	**719**	**11**	**13**	**40**	**36**
15 to 19 years	79	x	x	54	33
20 to 24 years	342	6	12	44	38
25 to 29 years	124	11	20	36	32
30 to 39 years	136	21	13	29	36
40 years and over	38	29	x	x	39
Ontario					
All age groups	**5,270**	**32**	**22**	**34**	**12**
15 to 19 years	611	20	19	45	15
20 to 24 years	2,298	28	22	37	14
25 to 29 years	1,083	33	24	32	11
30 to 39 years	975	40	22	28	10
40 years and over	302	54	14	24	8

Table A.1.5.1 (concluded)

Distribution of certificate of apprenticeship holders by time spent in program, age group at registration and province, 1994 cohort

Province and age group	Certificate of apprenticeship holders	1 to 3 years	4 years	5 or 6 years	7 years or more
	number		percent		
Manitoba					
All age groups	**408**	**11**	**27**	**47**	**14**
15 to 19 years	45	0	29	56	16
20 to 24 years	156	8	26	49	18
25 to 29 years	87	14	28	46	13
30 to 39 years	96	17	28	44	11
40 years and over	17	x	x	35	x
Alberta					
All age groups	**3,898**	**28**	**22**	**38**	**13**
15 to 19 years	455	22	18	46	14
20 to 24 years	1,460	25	21	39	15
25 to 29 years	800	26	23	39	12
30 to 39 years	883	31	25	33	10
40 years and over	256	45	22	26	8
British Columbia					
All age groups	**2,792**	**17**	**28**	**46**	**9**
15 to 19 years	269	7	22	56	14
20 to 24 years	1,090	12	29	50	9
25 to 29 years	643	18	29	45	8
30 to 39 years	647	24	28	42	7
40 years and over	143	39	31	x	x

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: The age group totals in table may not sum up to the total population because of unknown age.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.1.5.2

Distribution of certificate of apprenticeship holders by time spent in program, main trade and province, 1994 cohort

Province and main trade	Certificate of apprenticeship holders	1 to 3 years	4 years	5 or 6 years	7 years or more
	number		percent		
All provinces					
Total population	**13,451**	**26**	**23**	**38**	**13**
Building construction, total	**1,480**	**22**	**22**	**38**	**17**
Bricklayer	32	x	28	38	x
Building service technician	153	73	11	9	7
Cabinet maker	33	x	24	52	x
Carpenter	751	12	21	48	19
Cement finisher	25	60	32	x	x
Drywall installer	6	x	x	x	x
Drywall mechanic	x	x	0	0	x
Floor covering installer	44	36	x	27	x
Glazier	24	x	38	50	x
Insulator installer heat and frost	23	0	26	48	26
Joiner	43	x	37	51	x
Painter and decorator	71	14	38	25	23
Plasterer	44	x	x	43	30
Roofer	71	27	32	18	23
Sawfitter / benchman (lumber manufacturing)	36	75	19	x	x
Tile setter	x	x	0	x	0
Woodworker	14	x	x	x	x
Other	105	14	23	40	23
Electrical, electronics and related trades, total	**1,875**	**7**	**17**	**53**	**23**
Appliance service technician-serviceman	25	32	36	x	x
Construction electrician	1,498	4	14	55	26
Electronics technician (consumer products)	14	x	43	x	x
Industrial electrician	191	11	31	46	12
Powerline technician	29	28	x	55	x
Other	118	25	25	40	9
Food and service trades, total	**2,354**	**73**	**16**	**7**	**3**
Assistant cook	x	x	0	x	0
Baker	112	31	46	18	5
Barber	20	70	x	x	0
Cook	499	44	33	17	6
Hairdresser / hairstylist	1,617	88	8	3	2
Locksmith	23	39	35	x	x
Meat cutter	18	x	72	x	0
Other	x	x	x	x	x
Industrial and related mechanical trades, total	**1,155**	**13**	**23**	**50**	**14**
Boilermaker	15	x	0	x	87
Industrial instrument mechanic	110	22	27	32	19
Industrial mechanic-millwright	557	11	26	54	9
Refrigeration and air conditioning mechanic	293	4	20	57	19
Sawfiler	22	100	0	0	0
Other	158	20	23	43	15
Metal fabricating trades, total	**2,884**	**14**	**28**	**45**	**13**
Gasfitter	41	63	32	x	x
Gasfitter (domestic and commercial)	23	91	x	x	0
Ironworker	46	13	35	37	15
Machinist	364	9	30	52	9
Moulder and engraver	127	16	26	51	7
Plumber	642	9	22	56	13
Reinforcing steel erector	12	x	x	x	x
Sheet metal worker	276	3	15	57	25
Sprinkler system installer	44	x	x	55	23
Steamfitter-pipefitter	244	9	18	52	20
Steel and plate worker	10	60	x	x	0
Steel fabricator	72	11	19	54	15
Tool and die maker	270	14	34	40	11
Welder	601	22	44	26	8
Other	112	19	32	29	20

Table A.1.5.2 (continued)

Distribution of certificate of apprenticeship holders by time spent in program, main trade and province, 1994 cohort

Province and main trade	Certificate of apprenticeship holders	1 to 3 years	4 years	5 or 6 years	7 years or more
	number			percent	
Motor vehicle and heavy equipment, total	**3,526**	**18**	**25**	**43**	**14**
Agricultural equipment technician	57	14	14	58	14
Air-cooled and marine engine mechanic (small engines)	17	71	x	x	x
Automotive service technician	1,942	12	27	48	14
Crane and hoist operator	116	56	19	12	13
Heavy duty equipment mechanic technician	519	11	22	52	15
Heavy duty equipment operator	27	56	x	x	30
Mobile crane operator	25	40	x	24	x
Motor vehicle body repairer	226	14	34	35	17
Motor vehicle painter	42	83	x	0	x
Motor vehicle steering suspension and brakes mechanic	30	40	x	23	x
Motor vehicle transmission mechanic	17	x	0	71	x
Motorcycle repair mechanic	18	x	x	44	x
Partsperson (industrial engine and equipment)	113	x	43	29	x
Power shovel operator	50	28	14	28	30
Recreation vehicle mechanic	21	76	x	0	x
Small equipment mechanic	26	54	27	x	x
Transport trailer technician	19	47	37	x	x
Truck and transport mechanic	92	11	26	54	9
Other	169	40	25	24	11
Other trades, total	**177**	**30**	**21**	**44**	**5**
Horticulture	x	x	x	0	0
Landscape gardener	72	22	x	63	x
Pool and spa installation and service technician	6	x	x	0	0
Other	x	x	x	x	x
New Brunswick Total population	**364**	**23**	**21**	**31**	**24**
Building construction, total	**30**	**x**	**x**	**23**	**47**
Carpenter	18	x	0	x	61
Other	12	x	x	x	x
Electrical, electronics and related trades, total	**53**	**x**	**x**	**38**	**47**
Construction electrician	34	x	x	38	56
Other	19	x	x	37	32
Food and service trades, total	**x**	**x**	**x**	**x**	**x**
Barber	20	70	x	x	0
Cook	13	46	x	x	x
Other	x	x	x	x	x
Industrial and related mechanical trades, total	**69**	**23**	**22**	**32**	**23**
Industrial mechanic-millwright	24	29	29	x	x
Other	45	20	18	40	22
Metal fabricating trades, total	**67**	**13**	**34**	**33**	**19**
Machinist	15	x	53	40	x
Plumber	20	x	x	40	x
Welder	23	x	x	26	26
Other	9	x	x	x	x
Motor vehicle and heavy equipment, total	**97**	**28**	**16**	**38**	**18**
Automotive service technician	48	21	17	50	13
Truck and transport mechanic	22	x	x	41	27
Other	27	44	22	x	x
Other trades, total	**x**	**x**	**0**	**x**	**0**

Table A.1.5.2 (continued)

Distribution of certificate of apprenticeship holders by time spent in program, main trade and province, 1994 cohort

Province and main trade	Certificate of apprenticeship holders	1 to 3 years	4 years	5 or 6 years	7 years or more
	number			percent	
Quebec (CCQ)					
Total population	**719**	**11**	**13**	**40**	**36**
Building construction, total	**191**	**12**	**9**	**38**	**42**
Bricklayer	13	x	x	x	46
Carpenter	92	x	x	41	45
Floor covering installer	9	x	x	x	x
Painter and decorator	19	0	0	47	53
Plasterer	8	0	0	x	x
Roofer	29	41	x	x	34
Other	21	x	x	57	29
Electrical, electronics and related trades, total	**281**	**6**	**17**	**43**	**33**
Construction electrician	187	x	x	41	50
Industrial electrician	94	17	35	48	0
Industrial and related mechanical trades, total	**61**	**x**	**x**	**41**	**36**
Refrigeration and air conditioning mechanic	53	x	x	43	38
Other	8	x	0	x	x
Metal fabricating trades, total	**103**	**x**	**x**	**48**	**37**
Reinforcing steel erector	9	x	x	x	x
Sheet metal worker	21	x	29	62	x
Steamfitter-pipefitter	55	x	x	58	40
Other	18	x	x	x	61
Motor vehicle and heavy equipment, total	**83**	**36**	**12**	**22**	**30**
Crane and hoist operator	6	x	x	x	x
Heavy duty equipment operator	27	56	x	x	30
Power shovel operator	50	28	14	28	30
Ontario					
Total population	**5,270**	**32**	**22**	**34**	**12**
Building construction, total	**319**	**53**	**14**	**19**	**14**
Bricklayer	13	x	x	x	x
Building service technician	153	73	11	9	7
Carpenter	86	45	16	26	13
Cement finisher	x	x	0	x	0
Drywall mechanic	x	x	0	0	x
Floor covering installer	x	x	0	0	x
Painter and decorator	8	x	0	75	x
Plasterer	x	x	x	0	0
Roofer	8	0	x	x	x
Tile setter	x	x	0	x	0
Woodworker	14	x	x	x	x
Other	23	x	x	30	35
Electrical, electronics and related trades, total	**550**	**6**	**15**	**53**	**26**
Construction electrician	433	5	12	55	28
Industrial electrician	97	x	27	44	x
Powerline technician	10	x	x	x	x
Other	10	x	x	x	x
Food and service trades, total	**1,307**	**79**	**12**	**6**	**2**
Assistant cook	x	x	0	x	0
Baker	14	43	x	x	x
Cook	197	39	35	21	5
Hairdresser / hairstylist	1,076	88	8	3	2
Other	x	x	x	x	x

Table A.1.5.2 (continued)

Distribution of certificate of apprenticeship holders by time spent in program, main trade and province, 1994 cohort

Province and main trade	Certificate of apprenticeship holders	1 to 3 years	4 years	5 or 6 years	7 years or more
	number			percent	
Industrial and related mechanical trades, total	**437**	**11**	**26**	**51**	**12**
Industrial mechanic-millwright	250	11	28	51	9
Refrigeration and air conditioning mechanic	147	4	22	55	19
Other	40	33	x	35	x
Metal fabricating trades, total	**1,035**	**12**	**28**	**47**	**14**
Ironworker	33	x	42	42	x
Machinist	167	10	38	41	10
Moulder and engraver	127	16	26	51	7
Plumber	224	10	18	56	16
Reinforcing steel erector	x	0	0	x	x
Sheet metal worker	118	x	x	53	25
Steamfitter-pipefitter	49	x	31	43	x
Steel and plate worker	10	60	x	x	0
Tool and die maker	270	14	34	40	11
Welder	15	x	x	40	x
Other	x	x	x	x	x
Motor vehicle and heavy equipment, total	**1,562**	**15**	**28**	**42**	**15**
Agricultural equipment technician	32	x	22	59	x
Air-cooled and marine engine mechanic (small engines)	17	71	x	x	x
Automotive service technician	1,220	11	29	45	15
Heavy duty equipment mechanic technician	49	29	16	33	22
Mobile crane operator	25	40	x	24	x
Motor vehicle body repairer	98	13	32	33	22
Motor vehicle painter	x	x	x	x	x
Motor vehicle steering suspension and brakes mechanic	30	40	x	23	x
Motor vehicle transmission mechanic	17	x	0	71	x
Motorcycle repair mechanic	18	x	x	44	x
Small equipment mechanic	26	54	27	x	x
Transport trailer technician	19	47	37	x	x
Other	x	x	x	0	x
Other trades, total	**60**	**48**	**x**	**27**	**x**
Horticulture	x	x	x	0	0
Landscape gardener	20	80	x	x	x
Pool and spa installation and service technician	6	x	x	0	0
Other	x	x	x	x	x
Manitoba					
Total population	**408**	**11**	**27**	**47**	**14**
Building construction, total	**64**	**20**	**17**	**41**	**22**
Carpenter	45	20	18	38	24
Other	19	x	x	47	x
Electrical, electronics and related trades, total	**61**	**x**	**23**	**56**	**x**
Construction electrician	45	x	x	60	20
Other	16	x	38	44	x
Food and service trades, total	**x**	**x**	**x**	**x**	**x**
Industrial and related mechanical trades, total	**46**	**x**	**41**	**46**	**x**
Industrial mechanic-millwright	27	x	41	44	x
Other	19	x	42	47	x
Metal fabricating trades, total	**53**	**15**	**30**	**43**	**11**
Plumber	20	0	x	70	x
Other	33	x	42	27	x
Motor vehicle and heavy equipment, total	**170**	**11**	**29**	**46**	**14**
Automotive service technician	67	x	28	51	x
Heavy duty equipment mechanic technician	73	x	32	53	x
Motor vehicle body repairer	15	x	53	x	x
Other	15	53	0	x	x

Table A.1.5.2 (continued)

Distribution of certificate of apprenticeship holders by time spent in program, main trade and province, 1994 cohort

Province and main trade	Certificate of apprenticeship holders	1 to 3 years	4 years	5 or 6 years	7 years or more
	number			percent	
Other trades, total	x	x	x	x	x
Alberta					
Total population	**3,898**	**28**	**22**	**38**	**13**
Building construction, total	**320**	**15**	**23**	**44**	**18**
Cabinet maker	33	x	24	52	x
Carpenter	188	7	18	54	21
Cement finisher	23	61	35	x	x
Floor covering installer	17	65	x	x	0
Insulator installer heat and frost	23	0	26	48	26
Painter and decorator	20	30	45	x	x
Other	16	x	44	50	x
Electrical, electronics and related trades, total	**446**	**11**	**13**	**52**	**24**
Appliance service technician-serviceman	25	32	36	x	x
Construction electrician	370	6	11	57	26
Electronics technician (consumer products)	14	x	43	x	x
Powerline technician	19	32	x	58	x
Other	18	x	x	x	x
Food and service trades, total	**743**	**73**	**15**	**9**	**4**
Baker	57	x	46	28	x
Cook	156	44	30	17	8
Hairdresser / hairstylist	507	89	6	3	2
Locksmith	23	39	35	x	x
Industrial and related mechanical trades, total	**339**	**15**	**20**	**53**	**13**
Industrial instrument mechanic	110	22	27	32	19
Industrial mechanic-millwright	155	12	15	64	9
Refrigeration and air conditioning mechanic	51	x	22	63	x
Other	23	x	x	52	x
Metal fabricating trades, total	**1,054**	**18**	**31**	**39**	**12**
Gasfitter	41	63	32	x	x
Machinist	116	x	13	73	x
Plumber	144	10	13	61	16
Sheet metal worker	53	x	x	42	53
Steamfitter-pipefitter	124	15	22	50	13
Steel fabricator	15	x	x	x	x
Welder	547	22	45	26	7
Other	14	x	x	43	x
Motor vehicle and heavy equipment, total	**960**	**21**	**21**	**43**	**14**
Agricultural equipment technician	25	x	x	56	x
Automotive service technician	305	14	20	51	15
Crane and hoist operator	110	58	19	11	12
Heavy duty equipment mechanic technician	316	12	19	52	18
Motor vehicle body repairer	64	16	22	47	16
Partsperson (industrial engine and equipment)	95	x	44	29	x
Recreation vehicle mechanic	21	76	x	0	x
Other	24	25	x	46	x
Other trades, total	**36**	**x**	**22**	**72**	**x**

Table A.1.5.2 (concluded)

Distribution of certificate of apprenticeship holders by time spent in program, main trade and province, 1994 cohort

Province and main trade	Certificate of apprenticeship holders	1 to 3 years	4 years	5 or 6 years	7 years or more
	number		percent		
British Columbia					
Total population	**2,792**	**17**	**28**	**46**	**9**
Building construction, total	**556**	**13**	**33**	**45**	**9**
Bricklayer	6	x	x	x	0
Carpenter	322	7	30	55	8
Drywall installer	6	x	x	x	x
Floor covering installer	15	x	47	47	x
Glazier	24	x	38	50	x
Joiner	43	x	37	51	x
Painter and decorator	24	x	75	x	x
Plasterer	32	x	x	50	25
Roofer	34	x	50	24	x
Sawfitter / benchman (lumber manufacturing)	36	75	19	x	x
Other	14	x	x	x	x
Electrical, electronics and related trades, total	**484**	**6**	**23**	**59**	**12**
Construction electrician	429	3	23	61	13
Other	55	35	20	45	0
Food and service trades, total	**253**	**49**	**39**	**8**	**4**
Baker	41	46	49	x	x
Cook	133	51	35	10	5
Hairdresser / hairstylist	34	53	35	x	x
Meat cutter	18	x	72	x	0
Other	27	56	26	x	x
Industrial and related mechanical trades, total	**203**	**16**	**22**	**51**	**11**
Boilermaker	15	x	0	x	87
Industrial mechanic-millwright	101	x	31	58	x
Refrigeration and air conditioning mechanic	42	x	17	71	x
Sawfiler	22	100	0	0	0
Other	23	x	26	57	x
Metal fabricating trades, total	**572**	**12**	**26**	**52**	**10**
Gasfitter (domestic and commercial)	23	91	x	x	0
Ironworker	13	x	x	x	x
Machinist	66	x	33	44	x
Plumber	234	8	32	53	8
Sheet metal worker	84	x	14	71	x
Sprinkler system installer	44	x	x	55	23
Steamfitter-pipefitter	16	x	x	81	0
Steel fabricator	57	x	19	60	x
Welder	16	x	63	x	0
Other	19	x	37	42	x
Motor vehicle and heavy equipment, total	**654**	**19**	**28**	**47**	**7**
Automotive service technician	302	11	24	56	8
Heavy duty equipment mechanic technician	81	x	28	67	x
Motor vehicle body repairer	49	x	47	31	x
Motor vehicle painter	34	88	x	0	x
Partsperson (industrial engine and equipment)	18	x	39	x	x
Truck and transport mechanic	70	x	31	59	x
Other	100	40	31	22	7
Other trades, total	**70**	**30**	**x**	**40**	**x**
Landscape gardener	21	0	x	86	x
Other	49	43	33	x	x

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Appendix 2

Standard tables, 1995 cohort

Table A.2.1.1

Distribution of new apprentices by sex, major trade group and province, 1995 cohort

Province and major trade group	Total	Male	Female
	number	percent	
All provinces			
Total population	**29,501**	**89**	**11**
Building construction	4,533	97	3
Electrical, electronics and related trades	4,185	97	3
Food and service trades	4,514	44	56
Industrial and related mechanical trades	2,328	97	3
Metal fabricating trades	6,366	99	1
Motor vehicle and heavy equipment	6,918	98	2
Other trades	657	75	25
New Brunswick			
Total population	**753**	**94**	**6**
Building construction	105	x	x
Electrical, electronics and related trades	120	x	x
Food and service trades	x	x	x
Industrial and related mechanical trades	106	100	0
Metal fabricating trades	113	100	0
Motor vehicle and heavy equipment	187	100	0
Other trades	x	x	x
Quebec (CCQ)			
Total population	**3,449**	**98**	**2**
Building construction	909	x	x
Electrical, electronics and related trades	1,220	97	3
Industrial and related mechanical trades	165	x	x
Metal fabricating trades	659	x	x
Motor vehicle and heavy equipment	496	96	4
Ontario			
Total population	**12,062**	**85**	**15**
Building construction	1,340	94	6
Electrical, electronics and related trades	1,258	96	4
Food and service trades	2,508	41	59
Industrial and related mechanical trades	1,105	95	5
Metal fabricating trades	2,492	99	1
Motor vehicle and heavy equipment	2,958	98	2
Other trades	401	73	27
Manitoba			
Total population	**751**	**99**	**1**
Building construction	112	x	x
Electrical, electronics and related trades	133	100	0
Food and service trades	x	x	x
Industrial and related mechanical trades	44	100	0
Metal fabricating trades	133	x	x
Motor vehicle and heavy equipment	289	x	x
Other trades	x	x	x
Alberta			
Total population	**7,305**	**87**	**13**
Building construction	719	98	2
Electrical, electronics and related trades	713	98	2
Food and service trades	1,245	36	64
Industrial and related mechanical trades	602	99	1
Metal fabricating trades	2,064	99	1
Motor vehicle and heavy equipment	1,849	98	2
Other trades	113	73	27

Table A.2.1.1 (concluded)

Distribution of new apprentices by sex, major trade group and province, 1995 cohort

Province and major trade group	Total	Male	Female
	number	percent	
British Columbia			
Total population	**5,181**	**94**	**6**
Building construction	1,348	98	2
Electrical, electronics and related trades	741	98	2
Food and service trades	627	65	35
Industrial and related mechanical trades	306	x	x
Metal fabricating trades	905	98	2
Motor vehicle and heavy equipment	1,139	99	1
Other trades	115	81	19

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.1.2

Distribution of new apprentices by age group at registration, main trade and province, 1995 cohort

Province and main trade	Number of apprentices	15 to 19 years	20 to 24 years	25 to 29 years	30 to 39 years	40 years and over
	number	percent				
All provinces						
Total population	**29,501**	**10**	**35**	**21**	**24**	**9**
Building construction, total	**4,533**	**8**	**28**	**22**	**27**	**14**
Bricklayer	151	x	37	28	23	x
Building service technician	279	x	x	14	42	33
Cabinet maker	109	9	33	18	28	9
Carpenter	2,197	10	31	23	23	11
Cement finisher	79	x	x	25	25	27
Drywall mechanic	89	7	27	29	25	12
Floor covering installer	139	6	30	27	27	10
Glazier	76	13	28	28	22	9
Insulator installer heat and frost	39	x	28	21	36	x
Joiner	88	x	25	26	25	x
Lather (interior systems mechanic)	26	x	23	x	27	23
Native residential construction worker	76	x	20	30	38	x
Painter and decorator	296	8	24	20	29	20
Plasterer	181	6	29	21	27	17
Roofer	236	5	26	25	34	10
Sawfitter / benchman (lumber manufacturing)	61	0	x	x	52	38
Stone mason	32	0	x	x	34	47
Tile setter	34	x	x	x	32	41
Woodworker	59	15	27	19	24	15
Other	286	6	34	22	26	10
Electrical, electronics and related trades, total	**4,185**	**7**	**37**	**23**	**24**	**8**
Appliance service technician-serviceman	73	x	27	21	33	x
Construction electrician	2,608	10	41	22	21	5
Electrician (communications)	32	x	31	28	28	x
Industrial electrician	953	4	31	21	29	16
Powerline technician	69	x	32	30	29	x
Security alarms installer	236	x	28	34	28	x
Other	214	3	24	21	38	13
Food and service trades, total	**4,514**	**12**	**41**	**19**	**19**	**8**
Assistant cook	69	x	23	26	39	x
Baker	186	9	35	18	28	10
Barber	60	x	27	37	18	x
Cook	1,561	11	40	21	18	8
Hairdresser / hairstylist	2,452	14	43	17	18	8
Locksmith	28	x	x	25	39	21

Table A.2.1.2 (continued)

Distribution of new apprentices by age group at registration, main trade and province, 1995 cohort

Province and main trade	Number of apprentices	15 to 19 years	20 to 24 years	25 to 29 years	30 to 39 years	40 years and over
	number			percent		
Meat cutter	61	x	44	18	18	x
Other	97	x	25	29	34	x
Industrial and related mechanical trades, total	**2,328**	**3**	**24**	**24**	**35**	**13**
Boilermaker	30	x	20	20	37	x
Construction millwright	69	x	42	26	22	x
Fitter assembler	31	x	x	23	39	23
Industrial instrument mechanic	169	4	28	20	40	8
Industrial mechanic-millwright	1,094	3	20	22	39	15
Industrial plant operator	108	x	x	21	46	23
Refrigeration and air conditioning mechanic	519	4	35	27	27	7
Sawfiler	60	x	x	12	43	30
Other	248	4	23	30	27	15
Metal fabricating trades, total	**6,366**	**10**	**36**	**22**	**24**	**7**
Automatic machinist	26	x	38	x	23	x
Gasfitter	61	x	x	20	49	21
Gasfitter (domestic and commercial)	63	10	38	21	19	13
Ironworker	296	2	22	19	36	21
Machinist	843	12	35	25	23	5
Moulder and engraver	316	18	51	20	x	x
Plumber	961	11	41	22	22	3
Reinforcing steel erector	32	x	19	31	38	x
Sheet metal worker	748	6	30	21	30	12
Sprinkler system installer	151	8	39	23	23	7
Steamfitter-pipefitter	821	5	32	20	29	13
Steel and plate worker	60	x	27	33	27	x
Steel fabricator	130	x	33	23	27	x
Tool and die maker	485	13	41	24	20	3
Welder	1,189	10	35	24	23	5
Other	184	13	43	18	15	11
Motor vehicle and heavy equipment, total	**6,918**	**13**	**39**	**20**	**20**	**7**
Agricultural equipment technician	91	31	40	18	x	x
Air-cooled and marine engine mechanic (small engines)	51	20	39	x	16	x
Aircraft maintenance technician	26	31	35	23	x	x
Automotive service technician	2,937	17	46	20	14	2
Crane and hoist operator	448	7	19	17	33	23
Heavy duty equipment mechanic technician	1,027	9	34	21	29	6
Heavy duty equipment operator	103	x	x	14	32	40
Mobile crane operator	102	12	28	25	28	6
Motor vehicle body repairer	576	17	43	19	18	2
Motor vehicle painter	98	x	42	22	17	x
Motor vehicle steering suspension and brakes mechanic	158	5	35	15	26	19
Motor vehicle transmission mechanic	35	x	46	23	23	x
Motorcycle repair mechanic	58	16	47	x	22	x
Partsperson (industrial engine and equipment)	223	9	40	24	17	8
Power shovel operator	175	x	x	15	31	42
Small equipment mechanic	55	x	35	x	18	24
Transport trailer technician	64	x	36	25	31	x
Truck and transport mechanic	414	13	42	24	18	3
Other	277	7	32	22	26	13
Other trades, total	**657**	**5**	**28**	**20**	**29**	**18**
Arborist (tree cutter)	52	x	35	29	19	x
Child and youth worker	38	0	x	x	34	55
Draftsman	35	x	46	23	20	x
Horticulture	37	x	16	x	38	30
Landscape gardener	311	5	32	22	27	13
Pool and spa installation and service technician	25	x	36	x	32	x
Other	159	x	21	x	33	21

Table A.2.1.2 (continued)

Distribution of new apprentices by age group at registration, main trade and province, 1995 cohort

Province and main trade	Number of apprentices	15 to 19 years	20 to 24 years	25 to 29 years	30 to 39 years	40 years and over
	number	percent				
New Brunswick						
Total population	**753**	**5**	**42**	**24**	**20**	**8**
Building construction, total	**105**	**x**	**38**	**29**	**23**	**x**
Carpenter	69	x	32	29	25	x
Other	36	x	50	28	19	x
Electrical, electronics and related trades, total	**120**	**8**	**48**	**18**	**16**	**9**
Construction electrician	82	x	56	16	12	x
Industrial electrician	27	x	33	26	x	22
Other	11	0	x	x	x	x
Food and service trades, total	**x**	**x**	**x**	**x**	**x**	**x**
Barber	34	x	32	32	x	x
Cook	60	x	33	23	22	x
Other	x	x	x	x	x	x
Industrial and related mechanical trades, total	**106**	**x**	**25**	**29**	**34**	**x**
Industrial mechanic-millwright	38	x	21	32	39	x
Other	68	x	26	28	31	x
Metal fabricating trades, total	**113**	**x**	**51**	**23**	**14**	**x**
Machinist	28	0	50	29	x	x
Plumber	25	0	56	x	24	x
Welder	26	x	42	35	x	0
Other	34	x	56	18	x	x
Motor vehicle and heavy equipment, total	**187**	**x**	**55**	**24**	**15**	**x**
Automotive service technician	70	x	54	24	13	x
Motor vehicle body repairer	26	x	73	x	x	0
Motor vehicle steering suspension and brakes mechanic	30	x	50	27	20	x
Truck and transport mechanic	42	x	50	29	14	x
Other	19	x	47	x	x	0
Other trades, total	**x**	**x**	**x**	**x**	**x**	**x**
Quebec (CCQ)						
Total population	**3,449**	**6**	**30**	**18**	**28**	**18**
Building construction, total	**909**	**8**	**23**	**13**	**29**	**26**
Bricklayer	51	x	47	18	24	x
Carpenter	490	8	23	11	30	29
Cement finisher	46	x	22	x	24	33
Floor covering installer	28	x	25	29	36	x
Lather (interior systems mechanic)	26	x	23	x	27	23
Painter and decorator	111	7	20	14	29	31
Plasterer	42	x	29	x	29	21
Roofer	70	x	x	23	33	20
Tile setter	34	x	x	x	32	41
Other	11	x	x	x	x	x
Electrical, electronics and related trades, total	**1,220**	**4**	**39**	**22**	**25**	**9**
Construction electrician	305	7	54	16	17	5
Industrial electrician	679	4	36	21	28	12
Security alarms installer	236	x	28	34	28	x
Industrial and related mechanical trades, total	**165**	**x**	**44**	**21**	**18**	**x**
Industrial mechanic-millwright	35	x	20	x	31	29
Refrigeration and air conditioning mechanic	103	x	55	24	14	x
Other	27	x	30	x	x	33
Metal fabricating trades, total	**659**	**7**	**31**	**17**	**30**	**15**
Ironworker	45	x	x	18	51	20
Sheet metal worker	83	x	34	14	36	x
Sprinkler system installer	51	x	41	18	22	x

Table A.2.1.2 (continued)

Distribution of new apprentices by age group at registration, main trade and province, 1995 cohort

Province and main trade	Number of apprentices	15 to 19 years	20 to 24 years	25 to 29 years	30 to 39 years	40 years and over
	number			percent		
Steamfitter-pipefitter	453	7	32	18	28	14
Other	27	x	30	x	26	33
Motor vehicle and heavy equipment, total	**496**	**7**	**15**	**15**	**30**	**33**
Crane and hoist operator	203	15	20	15	30	21
Heavy duty equipment operator	103	x	x	14	32	40
Power shovel operator	175	x	x	15	31	42
Other	15	0	40	x	x	x
Ontario						
Total population	**12,062**	**10**	**37**	**21**	**23**	**9**
Building construction, total	**1,340**	**6**	**24**	**23**	**30**	**17**
Bricklayer	70	x	33	36	20	x
Building service technician	279	x	x	14	42	33
Carpenter	476	10	32	25	24	10
Drywall mechanic	89	7	27	29	25	12
Floor covering installer	45	0	20	18	38	24
Glazier	37	x	22	35	22	x
Native residential construction worker	76	x	20	30	38	x
Painter and decorator	46	x	28	22	30	x
Plasterer	25	x	24	x	36	36
Roofer	32	x	28	28	34	x
Stone mason	32	0	x	x	34	47
Woodworker	59	15	27	19	24	15
Other	74	x	30	x	31	19
Electrical, electronics and related trades, total	**1,258**	**7**	**35**	**23**	**24**	**10**
Appliance service technician-serviceman	73	x	27	21	33	x
Construction electrician	838	10	43	25	19	4
Industrial electrician	247	3	17	19	34	28
Powerline technician	31	x	23	26	42	x
Other	69	0	23	20	38	19
Food and service trades, total	**2,508**	**11**	**41**	**18**	**21**	**9**
Assistant cook	69	x	23	26	39	x
Baker	46	x	37	24	15	x
Cook	769	11	40	20	20	10
Hairdresser / hairstylist	1,544	11	42	17	21	9
Meat cutter	33	21	42	x	18	x
Other	47	x	30	32	28	x
Industrial and related mechanical trades, total	**1,105**	**3**	**23**	**24**	**35**	**15**
Construction millwright	69	x	42	26	22	x
Fitter assembler	31	x	x	23	39	23
Industrial mechanic-millwright	557	3	19	21	39	18
Industrial plant operator	108	x	x	21	46	23
Refrigeration and air conditioning mechanic	243	4	35	30	26	6
Sawfiler	33	x	18	18	45	x
Other	64	x	25	31	28	x
Metal fabricating trades, total	**2,492**	**11**	**38**	**23**	**22**	**6**
Automatic machinist	26	x	38	x	23	x
Ironworker	60	0	48	35	17	0
Machinist	526	13	34	25	24	4
Moulder and engraver	316	18	51	20	x	x
Plumber	332	11	45	21	20	2
Reinforcing steel erector	32	x	19	31	38	x
Sheet metal worker	426	5	26	19	33	17
Sprinkler system installer	33	x	55	18	21	x
Steamfitter-pipefitter	110	x	35	26	25	x
Steel and plate worker	60	x	27	33	27	x
Tool and die maker	485	13	41	24	20	3
Welder	67	x	42	33	10	x
Other	19	x	42	x	x	x

Table A.2.1.2 (continued)

Distribution of new apprentices by age group at registration, main trade and province, 1995 cohort

Province and main trade	Number of apprentices	15 to 19 years	20 to 24 years	25 to 29 years	30 to 39 years	40 years and over
	number	percent				
Motor vehicle and heavy equipment, total	**2,958**	**16**	**45**	**20**	**16**	**4**
Agricultural equipment technician	43	37	42	16	x	x
Air-cooled and marine engine mechanic (small engines)	51	20	39	x	16	x
Automotive service technician	1,765	17	48	20	12	3
Heavy duty equipment mechanic technician	159	8	31	24	30	8
Mobile crane operator	102	12	28	25	28	6
Motor vehicle body repairer	253	x	49	19	16	x
Motor vehicle painter	28	x	50	x	x	x
Motor vehicle steering suspension and brakes mechanic	100	6	33	11	24	26
Motor vehicle transmission mechanic	35	x	46	23	23	x
Motorcycle repair mechanic	28	x	43	x	29	0
Small equipment mechanic	55	x	35	x	18	24
Transport trailer technician	64	x	36	25	31	x
Truck and transport mechanic	251	16	43	20	17	3
Other	24	x	x	x	42	x
Other trades, total	**401**	**5**	**33**	**20**	**25**	**17**
Arborist (tree cutter)	52	x	35	29	19	x
Child and youth worker	38	0	x	x	34	55
Draftsman	35	x	46	23	20	x
Horticulture	37	x	16	x	38	30
Landscape gardener	183	6	37	23	22	12
Pool and spa installation and service technician	25	x	36	x	32	x
Other	31	x	39	x	32	x
Manitoba						
Total population	**751**	**11**	**39**	**21**	**22**	**4**
Building construction, total	**112**	**x**	**36**	**25**	**24**	**x**
Carpenter	87	x	36	29	21	x
Other	25	0	36	x	36	x
Electrical, electronics and related trades, total	**133**	**10**	**38**	**26**	**20**	**5**
Construction electrician	123	x	41	26	17	x
Other	10	0	x	x	x	x
Food and service trades, total	**x**	**x**	**x**	**x**	**x**	**x**
Industrial and related mechanical trades, total	**44**	**x**	**18**	**32**	**36**	**x**
Industrial mechanic-millwright	25	0	x	24	44	x
Other	19	0	x	42	x	x
Metal fabricating trades, total	**133**	**x**	**34**	**22**	**30**	**x**
Machinist	25	x	28	24	40	x
Plumber	60	x	33	22	30	x
Other	48	x	38	21	25	x
Motor vehicle and heavy equipment, total	**289**	**15**	**46**	**17**	**17**	**4**
Aircraft maintenance technician	26	31	35	23	x	x
Automotive service technician	111	12	58	18	x	x
Heavy duty equipment mechanic technician	117	x	38	18	26	x
Motor vehicle body repairer	25	28	40	x	x	x
Other	10	0	60	x	x	0
Other trades, total	**x**	**x**	**x**	**x**	**x**	**x**
Alberta						
Total population	**7,305**	**10**	**34**	**21**	**25**	**8**
Building construction, total	**719**	**9**	**34**	**23**	**24**	**8**
Cabinet maker	109	9	33	18	28	9
Carpenter	383	11	36	23	20	7
Cement finisher	33	x	x	36	27	18

Table A.2.1.2 (continued)

Distribution of new apprentices by age group at registration, main trade and province, 1995 cohort

Province and main trade	Number of apprentices	15 to 19 years	20 to 24 years	25 to 29 years	30 to 39 years	40 years and over
	number			percent		
Floor covering installer	31	x	55	23	x	x
Insulator installer heat and frost	39	x	28	21	36	x
Painter and decorator	37	x	24	x	32	22
Roofer	29	x	24	24	41	x
Other	58	x	43	24	17	x
Electrical, electronics and related trades, total	**713**	**11**	**35**	**21**	**25**	**6**
Construction electrician	574	12	37	20	23	6
Electrician (communications)	32	x	31	28	28	x
Powerline technician	38	x	39	34	18	x
Other	69	x	20	26	39	x
Food and service trades, total	**1,245**	**14**	**43**	**17**	**16**	**7**
Baker	90	7	30	19	36	9
Cook	389	10	44	19	17	8
Hairdresser / hairstylist	738	17	46	15	13	6
Locksmith	28	x	x	25	39	21
Industrial and related mechanical trades, total	**602**	**4**	**25**	**24**	**37**	**9**
Boilermaker	30	x	20	20	37	x
Industrial instrument mechanic	169	4	28	20	40	8
Industrial mechanic-millwright	277	4	23	26	38	8
Refrigeration and air conditioning mechanic	92	x	26	24	36	x
Other	34	0	18	29	29	24
Metal fabricating trades, total	**2,064**	**9**	**32**	**23**	**26**	**9**
Gasfitter	61	x	x	20	49	21
Ironworker	157	x	14	x	39	31
Machinist	172	12	33	28	19	7
Plumber	206	13	33	20	25	6
Sheet metal worker	117	x	38	28	19	x
Steamfitter-pipefitter	229	3	28	23	34	11
Steel fabricator	41	x	27	32	29	x
Welder	1,062	10	35	23	24	5
Other	19	x	47	x	x	x
Motor vehicle and heavy equipment, total	**1,849**	**12**	**34**	**20**	**24**	**7**
Agricultural equipment technician	48	25	38	19	x	x
Automotive service technician	561	18	38	20	20	2
Crane and hoist operator	245	x	x	19	36	24
Heavy duty equipment mechanic technician	582	9	33	21	29	6
Motor vehicle body repairer	158	23	34	x	20	x
Motorcycle repair mechanic	30	20	50	x	x	x
Partsperson (industrial engine and equipment)	189	11	39	25	14	10
Other	36	x	33	x	28	17
Other trades, total	**113**	**x**	**27**	**23**	**31**	**x**
Landscape gardener	94	x	26	23	31	x
Other	19	0	37	x	32	x
British Columbia						
Total population	**5,181**	**10**	**34**	**24**	**24**	**7**
Building construction, total	**1,348**	**11**	**30**	**27**	**25**	**7**
Bricklayer	30	x	30	27	27	x
Carpenter	692	12	34	29	21	4
Floor covering installer	35	x	26	40	23	x
Glazier	39	x	33	21	23	x
Joiner	88	x	25	26	25	x
Painter and decorator	102	9	25	25	27	13
Plasterer	114	6	30	27	24	11
Roofer	105	x	31	25	32	x
Sawfitter / benchman (lumber manufacturing)	61	0	x	x	52	38
Other	82	10	26	27	29	9

Table A.2.1.2 (concluded)

Distribution of new apprentices by age group at registration, main trade and province, 1995 cohort

Province and main trade	Number of apprentices	15 to 19 years	20 to 24 years	25 to 29 years	30 to 39 years	40 years and over
	number	percent				
Electrical, electronics and related trades, total	**741**	**9**	**35**	**23**	**26**	**7**
Construction electrician	686	9	35	24	25	6
Other	55	x	33	16	33	x
Food and service trades, total	**627**	**14**	**37**	**25**	**18**	**6**
Baker	50	x	42	x	26	x
Barber	26	0	x	42	23	x
Cook	315	15	37	28	16	4
Hairdresser / hairstylist	170	16	40	21	15	7
Meat cutter	28	x	46	21	x	0
Other	38	x	24	21	42	x
Industrial and related mechanical trades, total	**306**	**4**	**16**	**22**	**41**	**18**
Industrial mechanic-millwright	162	x	x	20	45	17
Refrigeration and air conditioning mechanic	81	x	21	25	38	x
Sawfiler	27	x	0	x	41	56
Other	36	x	x	39	28	x
Metal fabricating trades, total	**905**	**11**	**39**	**23**	**23**	**4**
Gasfitter (domestic and commercial)	63	10	38	21	19	13
Ironworker	34	x	29	24	35	x
Machinist	92	x	42	20	21	x
Plumber	338	9	42	25	21	3
Sheet metal worker	122	x	36	25	25	x
Sprinkler system installer	67	x	30	30	25	x
Steamfitter-pipefitter	29	x	48	x	28	x
Steel fabricator	89	x	36	19	26	x
Welder	34	x	21	26	35	x
Other	37	22	49	22	x	x
Motor vehicle and heavy equipment, total	**1,139**	**11**	**39**	**24**	**21**	**5**
Automotive service technician	430	15	45	23	15	2
Heavy duty equipment mechanic technician	169	10	37	20	28	5
Motor vehicle body repairer	114	x	39	24	21	x
Motor vehicle painter	70	x	39	26	17	x
Motor vehicle steering suspension and brakes mechanic	28	x	29	x	39	x
Partsperson (industrial engine and equipment)	34	x	47	18	32	x
Truck and transport mechanic	121	8	36	30	21	5
Other	173	6	30	25	24	14
Other trades, total	**115**	**6**	**17**	**23**	**37**	**16**
Landscape gardener	34	x	21	x	44	x
Other	81	x	x	27	35	19

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: Apprentices for whom the age is unknown are excluded from this table; therefore, percentages may not sum up to 100%.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.1.3

Median and mean age at registration of new apprentices by main trade and province, 1995 cohort

Province and main trade	Number of apprentices	Median age	Mean age
	number	years	
All provinces			
Total population	**29,327**	**25**	**28**
Building construction, total	**4,508**	**27**	**29**
Bricklayer	151	25	26
Building service technician	279	35	36
Cabinet maker	107	27	28
Carpenter	2,181	26	28
Cement finisher	79	31	33
Drywall mechanic	89	27	29
Floor covering installer	139	27	29
Glazier	76	26	28
Insulator installer heat and frost	38	27	29
Joiner	88	25	26
Lather (interior systems mechanic)	26	29	31
Native residential construction worker	76	29	30
Painter and decorator	296	29	31
Plasterer	181	29	31
Roofer	235	28	29
Sawfitter / benchman (lumber manufacturing)	61	37	37
Stone mason	32	39	41
Tile setter	34	35	35
Woodworker	59	27	29
Other	281	26	28
Electrical, electronics and related trades, total	**4,168**	**25**	**28**
Appliance service technician-serviceman	73	29	31
Construction electrician	2,592	24	26
Electrician (communications)	32	26	27
Industrial electrician	953	28	30
Powerline technician	69	27	28
Security alarms installer	236	26	29
Other	213	30	31
Food and service trades, total	**4,479**	**24**	**27**
Assistant cook	69	28	30
Baker	185	25	28
Barber	60	27	29
Cook	1,546	24	27
Hairdresser / hairstylist	2,433	23	26
Locksmith	28	32	33
Meat cutter	61	23	25
Other	97	28	30
Industrial and related mechanical trades, total	**2,320**	**29**	**30**
Boilermaker	28	30	30
Construction millwright	69	24	26
Fitter assembler	31	33	33
Industrial instrument mechanic	168	29	29
Industrial mechanic-millwright	1,090	31	31
Industrial plant operator	108	34	34
Refrigeration and air conditioning mechanic	519	26	28
Sawfiler	60	35	35
Other	247	28	30
Metal fabricating trades, total	**6,321**	**25**	**27**
Automatic machinist	26	25	26
Gasfitter	60	34	34
Gasfitter (domestic and commercial)	63	25	27
Ironworker	294	32	32
Machinist	838	25	27
Moulder and engraver	316	22	23
Plumber	954	24	26
Reinforcing steel erector	32	29	30

Table A.2.1.3 (continued)

Median and mean age at registration of new apprentices by main trade and province, 1995 cohort

Province and main trade	Number of apprentices	Median age	Mean age
	number	years	
Sheet metal worker	746	27	29
Sprinkler system installer	151	25	27
Steamfitter-pipefitter	817	27	29
Steel and plate worker	60	26	27
Steel fabricator	130	25	26
Tool and die maker	485	24	25
Welder	1,165	25	27
Other	184	23	27
Motor vehicle and heavy equipment, total	**6,878**	**24**	**26**
Agricultural equipment technician	89	22	23
Air-cooled and marine engine mechanic (small engines)	51	22	27
Aircraft maintenance technician	24	22	23
Automotive service technician	2,926	23	24
Crane and hoist operator	444	32	32
Heavy duty equipment mechanic technician	1,011	26	27
Heavy duty equipment operator	103	36	37
Mobile crane operator	102	27	28
Motor vehicle body repairer	574	23	25
Motor vehicle painter	98	23	25
Motor vehicle steering suspension and brakes mechanic	158	28	30
Motor vehicle transmission mechanic	35	24	27
Motorcycle repair mechanic	58	24	26
Partsperson (industrial engine and equipment)	221	24	27
Power shovel operator	175	37	38
Small equipment mechanic	55	26	30
Transport trailer technician	64	27	28
Truck and transport mechanic	413	24	25
Other	277	27	29
Other trades, total	**653**	**28**	**30**
Arborist (tree cutter)	52	26	28
Child and youth worker	38	40	40
Draftsman	35	24	26
Horticulture	37	33	34
Landscape gardener	309	27	29
Pool and spa installation and service technician	25	26	29
Other	157	31	32
New Brunswick			
Total population	**740**	**25**	**27**
Building construction, total	**103**	**25**	**27**
Carpenter	67	26	27
Other	36	25	27
Electrical, electronics and related trades, total	**118**	**24**	**27**
Construction electrician	80	23	25
Industrial electrician	27	27	30
Other	11	34	33
Food and service trades, total	x	x	x
Barber	34	26	28
Cook	56	26	28
Other	x	x	x
Industrial and related mechanical trades, total	**105**	**28**	**30**
Industrial mechanic-millwright	37	28	30
Other	68	28	30
Metal fabricating trades, total	**112**	**23**	**26**
Machinist	27	23	26
Plumber	25	24	27
Welder	26	25	26
Other	34	23	25

Table A.2.1.3 (continued)

Median and mean age at registration of new apprentices by main trade and province, 1995 cohort

Province and main trade	Number of apprentices	Median age	Mean age
	number	years	
Motor vehicle and heavy equipment, total	185	23	25
Automotive service technician	69	23	25
Motor vehicle body repairer	26	22	24
Motor vehicle steering suspension and brakes mechanic	30	24	26
Truck and transport mechanic	41	23	24
Other	19	23	25
Other trades, total	x	x	x
Quebec (CCQ)			
Total population	3,449	28	30
Building construction, total	909	31	32
Bricklayer	51	23	25
Carpenter	490	32	33
Cement finisher	46	32	34
Floor covering installer	28	29	30
Lather (interior systems mechanic)	26	29	31
Painter and decorator	111	32	34
Plasterer	42	30	31
Roofer	70	31	32
Tile setter	34	35	35
Other	11	36	34
Electrical, electronics and related trades, total	1,220	26	28
Construction electrician	305	23	26
Industrial electrician	679	27	29
Security alarms installer	236	26	29
Industrial and related mechanical trades, total	165	25	28
Industrial mechanic-millwright	35	31	33
Refrigeration and air conditioning mechanic	103	24	26
Other	27	28	31
Metal fabricating trades, total	659	27	30
Ironworker	45	33	34
Sheet metal worker	83	29	29
Sprinkler system installer	51	24	27
Steamfitter-pipefitter	453	26	29
Other	27	32	33
Motor vehicle and heavy equipment, total	496	34	35
Crane and hoist operator	203	30	31
Heavy duty equipment operator	103	36	37
Power shovel operator	175	37	38
Other	15	32	33
Ontario			
Total population	12,061	25	27
Building construction, total	1,340	29	30
Bricklayer	70	26	27
Building service technician	279	35	36
Carpenter	476	26	28
Drywall mechanic	89	27	29
Floor covering installer	45	34	34
Glazier	37	27	29
Native residential construction worker	76	29	30
Painter and decorator	46	25	27
Plasterer	25	37	34
Roofer	32	27	28
Stone mason	32	39	41
Woodworker	59	27	29
Other	74	29	31

Table A.2.1.3 (continued)

Median and mean age at registration of new apprentices by main trade and province, 1995 cohort

Province and main trade	Number of apprentices	Median age	Mean age
	number	years	
Electrical, electronics and related trades, total	**1,258**	**26**	**28**
Appliance service technician-serviceman	73	29	31
Construction electrician	838	24	26
Industrial electrician	247	34	34
Powerline technician	31	31	30
Other	69	30	32
Food and service trades, total	**2,507**	**24**	**27**
Assistant cook	69	28	30
Baker	46	25	27
Cook	769	24	27
Hairdresser / hairstylist	1,543	24	27
Meat cutter	33	22	24
Other	47	28	29
Industrial and related mechanical trades, total	**1,105**	**29**	**31**
Construction millwright	69	24	26
Fitter assembler	31	33	33
Industrial mechanic-millwright	557	31	32
Industrial plant operator	108	34	34
Refrigeration and air conditioning mechanic	243	26	28
Sawfiler	33	31	31
Other	64	27	30
Metal fabricating trades, total	**2,492**	**25**	**27**
Automatic machinist	26	25	26
Ironworker	60	25	25
Machinist	526	25	26
Moulder and engraver	316	22	23
Plumber	332	24	25
Reinforcing steel erector	32	29	30
Sheet metal worker	426	29	31
Sprinkler system installer	33	24	26
Steamfitter-pipefitter	110	27	29
Steel and plate worker	60	26	27
Tool and die maker	485	24	25
Welder	67	24	25
Other	19	23	25
Motor vehicle and heavy equipment, total	**2,958**	**23**	**25**
Agricultural equipment technician	43	21	22
Air-cooled and marine engine mechanic (small engines)	51	22	27
Automotive service technician	1,765	22	24
Heavy duty equipment mechanic technician	159	27	28
Mobile crane operator	102	27	28
Motor vehicle body repairer	253	23	24
Motor vehicle painter	28	23	25
Motor vehicle steering suspension and brakes mechanic	100	30	32
Motor vehicle transmission mechanic	35	24	27
Motorcycle repair mechanic	28	24	26
Small equipment mechanic	55	26	30
Transport trailer technician	64	27	28
Truck and transport mechanic	251	23	25
Other	24	27	28
Other trades, total	**401**	**27**	**30**
Arborist (tree cutter)	52	26	28
Child and youth worker	38	40	40
Draftsman	35	24	26
Horticulture	37	33	34
Landscape gardener	183	26	28
Pool and spa installation and service technician	25	26	29
Other	31	27	30

Table A.2.1.3 (continued)

Median and mean age at registration of new apprentices by main trade and province, 1995 cohort

Province and main trade	Number of apprentices	Median age	Mean age
	number	years	
Manitoba			
Total population	**733**	**24**	**26**
Building construction, total	**105**	**25**	**26**
Carpenter	83	25	26
Other	22	27	28
Electrical, electronics and related trades, total	**131**	**25**	**26**
Construction electrician	121	24	25
Other	10	33	31
Food and service trades, total	x	x	x
Industrial and related mechanical trades, total	**43**	**29**	**30**
Industrial mechanic-millwright	25	31	31
Other	18	27	28
Metal fabricating trades, total	**131**	**26**	**27**
Machinist	24	27	28
Plumber	59	25	27
Other	48	25	27
Motor vehicle and heavy equipment, total	**286**	**23**	**25**
Aircraft maintenance technician	24	22	23
Automotive service technician	111	22	24
Heavy duty equipment mechanic technician	116	24	26
Motor vehicle body repairer	25	22	25
Other	10	23	25
Other trades, total	x	x	x
Alberta			
Total population	**7,168**	**25**	**27**
Building construction, total	**704**	**25**	**27**
Cabinet maker	107	27	28
Carpenter	373	25	27
Cement finisher	33	29	31
Floor covering installer	31	24	25
Insulator installer heat and frost	38	27	29
Painter and decorator	37	31	32
Roofer	29	30	30
Other	56	24	25
Electrical, electronics and related trades, total	**701**	**25**	**27**
Construction electrician	563	24	27
Electrician (communications)	32	26	27
Powerline technician	38	26	27
Other	68	28	29
Food and service trades, total	**1,218**	**23**	**26**
Baker	90	27	29
Cook	380	24	27
Hairdresser / hairstylist	720	22	25
Locksmith	28	32	33
Industrial and related mechanical trades, total	**596**	**29**	**29**
Boilermaker	28	30	30
Industrial instrument mechanic	168	29	29
Industrial mechanic-millwright	274	29	29
Refrigeration and air conditioning mechanic	92	28	29
Other	34	31	32
Metal fabricating trades, total	**2,024**	**26**	**28**
Gasfitter	60	34	34
Ironworker	155	35	35
Machinist	170	25	27

Table A.2.1.3 (continued)

Median and mean age at registration of new apprentices by main trade and province, 1995 cohort

Province and main trade	Number of apprentices	Median age	Mean age
	number	years	
Plumber	201	25	27
Sheet metal worker	115	25	26
Steamfitter-pipefitter	225	29	30
Steel fabricator	41	26	29
Welder	1,038	25	27
Other	19	23	25
Motor vehicle and heavy equipment, total	**1,814**	**25**	**27**
Agricultural equipment technician	46	22	24
Automotive service technician	551	23	25
Crane and hoist operator	241	33	33
Heavy duty equipment mechanic technician	567	26	28
Motor vehicle body repairer	156	23	25
Motorcycle repair mechanic	30	22	25
Partsperson (industrial engine and equipment)	187	24	27
Other	36	29	30
Other trades, total	**111**	**28**	**30**
Landscape gardener	92	29	31
Other	19	27	30
British Columbia			
Total population	**5,176**	**25**	**27**
Building construction, total	**1,347**	**26**	**28**
Bricklayer	30	25	26
Carpenter	692	25	27
Floor covering installer	35	25	26
Glazier	39	24	26
Joiner	88	25	26
Painter and decorator	102	27	30
Plasterer	114	27	30
Roofer	104	27	28
Sawfitter / benchman (lumber manufacturing)	61	37	37
Other	82	27	28
Electrical, electronics and related trades, total	**740**	**26**	**27**
Construction electrician	685	26	27
Other	55	29	31
Food and service trades, total	**626**	**24**	**26**
Baker	49	24	27
Barber	26	28	30
Cook	315	24	25
Hairdresser / hairstylist	170	23	26
Meat cutter	28	24	25
Other	38	31	32
Industrial and related mechanical trades, total	**306**	**32**	**32**
Industrial mechanic-millwright	162	33	32
Refrigeration and air conditioning mechanic	81	28	30
Sawfiler	27	40	40
Other	36	28	29
Metal fabricating trades, total	**903**	**25**	**26**
Gasfitter (domestic and commercial)	63	25	27
Ironworker	34	29	31
Machinist	91	24	26
Plumber	337	24	26
Sheet metal worker	122	26	27
Sprinkler system installer	67	26	27
Steamfitter-pipefitter	29	24	27
Steel fabricator	89	24	25
Welder	34	28	28
Other	37	22	24

Table A.2.1.3 (concluded)

Median and mean age at registration of new apprentices by main trade and province, 1995 cohort

Province and main trade	Number of apprentices	Median age	Mean age
	number	years	
Motor vehicle and heavy equipment, total	**1,139**	**24**	**26**
Automotive service technician	430	23	25
Heavy duty equipment mechanic technician	169	25	27
Motor vehicle body repairer	114	24	26
Motor vehicle painter	70	24	25
Motor vehicle steering suspension and brakes mechanic	28	30	30
Partsperson (industrial engine and equipment)	34	25	26
Truck and transport mechanic	121	25	26
Other	173	27	29
Other trades, total	**115**	**31**	**31**
Landscape gardener	34	32	30
Other	81	31	31

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: Apprentices for whom the age is unknown are excluded from this table.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.1.4

Distribution of new apprentices with prior trade certification at registration by major trade group and province, 1995 cohort

Province and major trade group	Total of registered apprentices	Prior trade certification at registration
	number	percent
All provinces		
Total population	**29,501**	**6**
Building construction	4,533	10
Electrical, electronics and related trades	4,185	4
Food and service trades	4,514	0
Industrial and related mechanical trades	2,328	10
Metal fabricating trades	6,366	6
Motor vehicle and heavy equipment	6,918	7
Other trades	657	4
New Brunswick		
Total population	**753**	**9**
Building construction	105	x
Electrical, electronics and related trades	120	13
Food and service trades	x	x
Industrial and related mechanical trades	106	20
Metal fabricating trades	113	11
Motor vehicle and heavy equipment	187	3
Other trades	x	x
Quebec (CCQ)		
Total population	**3,449**	**22**
Building construction	909	40
Electrical, electronics and related trades	1,220	4
Industrial and related mechanical trades	165	18
Metal fabricating trades	659	16
Motor vehicle and heavy equipment	496	44

Table A.2.1.4 (concluded)

Distribution of new apprentices with prior trade certification at registration by major trade group and province, 1995 cohort

Province and major trade group	Total of registered apprentices	Prior trade certification at registration
	number	percent
Ontario		
Total population	**12,062**	**x**
Building construction	1,340	x
Electrical, electronics and related trades	1,258	x
Food and service trades	2,508	x
Industrial and related mechanical trades	1,105	x
Metal fabricating trades	2,492	x
Motor vehicle and heavy equipment	2,958	x
Other trades	401	x
Manitoba		
Total population	**751**	**1**
Building construction	112	x
Electrical, electronics and related trades	133	x
Food and service trades	x	x
Industrial and related mechanical trades	44	x
Metal fabricating trades	133	x
Motor vehicle and heavy equipment	289	x
Other trades	x	x
Alberta		
Total population	**7,305**	**9**
Building construction	719	3
Electrical, electronics and related trades	713	10
Food and service trades	1,245	1
Industrial and related mechanical trades	602	22
Metal fabricating trades	2,064	12
Motor vehicle and heavy equipment	1,849	10
Other trades	113	x
British Columbia		
Total population	**5,181**	**4**
Building construction	1,348	3
Electrical, electronics and related trades	741	5
Food and service trades	627	x
Industrial and related mechanical trades	306	17
Metal fabricating trades	905	4
Motor vehicle and heavy equipment	1,139	4
Other trades	115	10

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.1.5

Characteristics of new apprentices with prior trade certification at registration, by province, 1995 cohort

Province	Number of apprentices with prior certification	Male	20 to 29 years old	30 to 39 years old	40 and over
	number	percent			
All provinces	**1,742**	**100**	**17**	**48**	**34**
New Brunswick	69	100	17	41	41
Quebec (CCQ)	761	100	12	41	47
Manitoba	11	100	x	73	x
Alberta	676	99	21	56	23
British Columbia	225	100	23	50	26

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: Apprentices for whom the age is unknown are excluded from this table; therefore, percentages may not sum up to 100%.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.1.6

Distribution of new apprentices registered in a Red Seal designated trade by major trade group and province, 1995 cohort

Province and major trade group	Total number of registered apprentices	Apprentices in a Red Seal trade
	number	percent
All provinces		
Total population	**29,501**	**85**
Building construction	4,533	81
Electrical, electronics and related trades	4,185	91
Food and service trades	4,514	93
Industrial and related mechanical trades	2,328	84
Metal fabricating trades	6,366	90
Motor vehicle and heavy equipment	6,918	82
Other trades	657	x
New Brunswick		
Total population	**753**	**83**
Building construction	105	100
Electrical, electronics and related trades	120	96
Food and service trades	x	x
Industrial and related mechanical trades	106	75
Metal fabricating trades	113	100
Motor vehicle and heavy equipment	187	81
Other trades	x	x
Quebec (CCQ)		
Total population	**3,449**	**76**
Building construction	909	95
Electrical, electronics and related trades	1,220	81
Industrial and related mechanical trades	165	95
Metal fabricating trades	659	91
Motor vehicle and heavy equipment	496	3

Table A.2.1.6 (concluded)

Distribution of new apprentices registered in a Red Seal designated trade by major trade group and province, 1995 cohort

Province and major trade group	Total number of registered apprentices	Apprentices in a Red Seal trade
	number	percent
Ontario		
Total population	**12,062**	**82**
Building construction	1,340	57
Electrical, electronics and related trades	1,258	96
Food and service trades	2,508	94
Industrial and related mechanical trades	1,105	76
Metal fabricating trades	2,492	83
Motor vehicle and heavy equipment	2,958	91
Other trades	401	x
Manitoba		
Total population	**751**	**95**
Building construction	112	100
Electrical, electronics and related trades	133	99
Food and service trades	x	x
Industrial and related mechanical trades	44	100
Metal fabricating trades	133	100
Motor vehicle and heavy equipment	289	91
Other trades	x	x
Alberta		
Total population	**7,305**	**92**
Building construction	719	100
Electrical, electronics and related trades	713	94
Food and service trades	1,245	98
Industrial and related mechanical trades	602	94
Metal fabricating trades	2,064	97
Motor vehicle and heavy equipment	1,849	85
Other trades	113	x
British Columbia		
Total population	**5,181**	**86**
Building construction	1,348	84
Electrical, electronics and related trades	741	97
Food and service trades	627	85
Industrial and related mechanical trades	306	90
Metal fabricating trades	905	90
Motor vehicle and heavy equipment	1,139	87
Other trades	115	x

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.2.1

Distribution of completers and median time spent in program, by age group at registration and province, 1995 cohort

Province and age group	Median duration for completers	Total number of registered apprentices	Completers
	years	number	percent
All provinces			
All age groups	**5**	**29,501**	**51**
15 to 19 years	5	2,852	59
20 to 24 years	5	10,350	56
25 to 29 years	5	6,318	51
30 to 39 years	4	7,056	45
40 years and over	4	2,741	36
New Brunswick			
All age groups	**5**	**753**	**55**
15 to 19 years	6	37	70
20 to 24 years	5	316	55
25 to 29 years	5	183	55
30 to 39 years	5	147	52
40 years and over	3	57	56
Quebec (CCQ)			
All age groups	**5**	**3,449**	**30**
15 to 19 years	6	209	44
20 to 24 years	5	1,038	44
25 to 29 years	5	614	35
30 to 39 years	5	951	20
40 years and over	4	637	11
Ontario			
All age groups	**4**	**12,062**	**51**
15 to 19 years	5	1,235	57
20 to 24 years	5	4,445	55
25 to 29 years	4	2,564	50
30 to 39 years	4	2,736	46
40 years and over	4	1,081	38
Manitoba			
All age groups	**5**	**751**	**61**
15 to 19 years	5	80	63
20 to 24 years	5	295	63
25 to 29 years	5	160	66
30 to 39 years	5	166	54
40 years and over	4	32	59
Alberta			
All age groups	**4**	**7,305**	**56**
15 to 19 years	5	757	65
20 to 24 years	5	2,491	61
25 to 29 years	4	1,536	56
30 to 39 years	4	1,805	51
40 years and over	4	579	47
British Columbia			
All age groups	**5**	**5,181**	**54**
15 to 19 years	5	534	57
20 to 24 years	5	1,765	56
25 to 29 years	5	1,291	51
30 to 39 years	5	1,251	53
40 years and over	4	355	52

Note: The age group totals in table may not sum up to the total population because of unknown age.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.2.2

Distribution of completers and median time spent in program by main trade and province, 1995 cohort

Province and main trade	Nominal program duration in jurisdiction	Median duration for completers	Total number of registered apprentices	Completers
	years		number	percent
All provinces				
Total population	...	5	**29,501**	**51**
Building construction, total	...	5	**4,533**	**34**
Bricklayer	2 to 4	6	151	23
Building service technician	3	3	279	40
Cabinet maker	4	5	109	35
Carpenter	3 to 4	5	2,197	34
Cement finisher	2 to 3	3	79	35
Drywall mechanic	2	6	89	10
Floor covering installer	1 to 3	3	139	33
Glazier	4	5	76	28
Insulator installer heat and frost	4	5	39	54
Joiner	4	5	88	41
Lather (interior systems mechanic)	3	7	26	27
Native residential construction worker	2	4	76	41
Painter and decorator	2 to 3	5	296	33
Plasterer	2 to 4	6	181	19
Roofer	1 to 3	4	236	40
Sawfitter / benchman (lumber manufacturing)	1 to 2	2	61	92
Stone mason	3	2	32	50
Tile setter	3	7	34	29
Woodworker	4	5	59	14
Other	...	5	286	31
Electrical, electronics and related trades, total	...	5	**4,185**	**50**
Appliance service technician-serviceman	3	3	73	18
Construction electrician	4 to 5	5	2,608	62
Electrician (communications)	4	6	32	25
Industrial electrician	4 to 5	5	953	23
Powerline technician	4	5	69	71
Security alarms installer	3	5	236	36
Other	...	4	214	54
Food and service trades, total	...	3	**4,514**	**53**
Assistant cook	1	2	69	16
Baker	3	4	186	44
Barber	2	3	60	53
Cook	3	4	1,561	37
Hairdresser / hairstylist	2	2	2,452	66
Locksmith	4	5	28	39
Meat cutter	2 to 3	3	61	48
Other	...	4	97	51
Industrial and related mechanical trades, total	...	5	**2,328**	**63**
Boilermaker	4	6	30	63
Construction millwright	4	6	69	65
Fitter assembler	3 to 4	...	31	x
Industrial instrument mechanic	4	5	169	51
Industrial mechanic-millwright	3 to 5	5	1,094	63
Industrial plant operator	3	4	108	62
Refrigeration and air conditioning mechanic	4 to 5	5	519	67
Sawfiler	1 to 4	2	60	68
Other	...	5	248	64
Metal fabricating trades, total	...	5	**6,366**	**54**
Automatic machinist	3 to 4	4	26	31
Gasfitter	2 to 3	3	61	64
Gasfitter (domestic and commercial)	2	3	63	67
Ironworker	1 to 3	4	296	38
Machinist	3 to 4	5	843	56
Moulder and engraver	3 to 4	5	316	53

Table A.2.2.2 (continued)

Distribution of completers and median time spent in program by main trade and province, 1995 cohort

Province and main trade	Nominal program duration in jurisdiction	Median duration for completers	Total number of registered apprentices	Completers
	years		number	percent
Plumber	4 to 5	5	961	58
Reinforcing steel erector	2	...	32	x
Sheet metal worker	3 to 4	5	748	54
Sprinkler system installer	3 to 4	5	151	56
Steamfitter-pipefitter	3 to 4	5	821	38
Steel and plate worker	2	5	60	28
Steel fabricator	3 to 4	5	130	53
Tool and die maker	2 to 5	5	485	63
Welder	2 to 5	4	1,189	62
Other	...	5	184	59
Motor vehicle and heavy equipment, total	...	**5**	**6,918**	**54**
Agricultural equipment technician	2 to 4	5	91	63
Air-cooled and marine engine mechanic (small engines)	2 to 3	3	51	45
Aircraft maintenance technician	4	6	26	35
Automotive service technician	2 to 4	5	2,937	59
Crane and hoist operator	1 to 3	3	448	25
Heavy duty equipment mechanic technician	3 to 5	5	1,027	66
Heavy duty equipment operator	1	3	103	31
Mobile crane operator	1 to 3	4	102	58
Motor vehicle body repairer	2 to 4	5	576	41
Motor vehicle painter	1 to 2	3	98	57
Motor vehicle steering suspension and brakes mechanic	2 to 4	3	158	51
Motor vehicle transmission mechanic	2	4	35	34
Motorcycle repair mechanic	2 to 4	4	58	47
Partsperson (industrial engine and equipment)	3	4	223	57
Power shovel operator	1	4	175	33
Small equipment mechanic	2	3	55	31
Transport trailer technician	2	3	64	47
Truck and transport mechanic	2 to 4	5	414	64
Other	...	4	277	52
Other trades, total	...	**4**	**657**	**33**
Arborist (tree cutter)	3	4	52	37
Child and youth worker	3	4	38	42
Draftsman	3 to 4	5	35	31
Horticulture	2	4	37	30
Landscape gardener	2 to 4	5	311	20
Pool and spa installation and service technician	2	...	25	x
Other	...	4	159	58
New Brunswick				
Total population	...	5	753	55
Building construction, total	...	**6**	**105**	**33**
Carpenter	4	6	69	28
Other	...	6	36	44
Electrical, electronics and related trades, total	...	**6**	**120**	**57**
Construction electrician	5	6	82	60
Industrial electrician	4	6	27	56
Other	...	...	11	x
Food and service trades, total	...	...	**x**	**x**
Barber	2	3	34	62
Cook	3	4	60	43
Other	...	...	x	x
Industrial and related mechanical trades, total	...	**5**	**106**	**63**
Industrial mechanic-millwright	4	6	38	68
Other	...	4	68	60

Table A.2.2.2 (continued)

Distribution of completers and median time spent in program by main trade and province, 1995 cohort

Province and main trade	Nominal program duration in jurisdiction	Median duration for completers	Total number of registered apprentices	Completers
	years		number	percent
Metal fabricating trades, total	...	5	113	53
Machinist	4	5	28	61
Plumber	4	6	25	36
Welder	3	5	26	50
Other	...	6	34	62
Motor vehicle and heavy equipment, total	...	5	187	59
Automotive service technician	4	5	70	63
Motor vehicle body repairer	2 to 4	4	26	35
Motor vehicle steering suspension and brake; mechanic	3	3	30	63
Truck and transport mechanic	4	5	42	69
Other	...	4	19	53
Other trades, total	...	...	x	x
Quebec (CCQ)				
Total population	...	5	3,449	30
Building construction, total	...	6	909	34
Bricklayer	3	8	51	39
Carpenter	3	6	490	32
Cement finisher	2	5	46	28
Floor covering installer	1	3	28	46
Lather (interior systems mechanic)	3	7	26	27
Painter and decorator	3	7	111	34
Plasterer	3	8	42	33
Roofer	1	3	70	47
Tile setter	3	7	34	29
Other	...	...	11	x
Electrical, electronics and related trades, total	...	5	1,220	28
Construction electrician	4	6	305	53
Industrial electrician	4	4	679	15
Security alarms installer	3	5	236	36
Industrial and related mechanical trades, total	...	5	165	52
Industrial mechanic-millwright	3	5	35	26
Refrigeration and air conditioning mechanic	4	5	103	65
Other	...	5	27	37
Metal fabricating trades, total	...	6	659	29
Ironworker	2	5	45	38
Sheet metal worker	3	5	83	43
Sprinkler system installer	4	6	51	55
Steamfitter-pipefitter	4	6	453	22
Other	...	5	27	41
Motor vehicle and heavy equipment, total	...	4	496	21
Crane and hoist operator	1	4	203	4
Heavy duty equipment operator	1	3	103	31
Power shovel operator	1	4	175	33
Other	...	...	15	x
Ontario				
Total population	...	4	12,062	51
Building construction, total	...	4	1,340	25
Bricklayer	2	6	70	x
Building service technician	3	3	279	40
Carpenter	3	5	476	23
Drywall mechanic	2	6	89	10
Floor covering installer	3	3	45	13
Glazier	4	...	37	x

Table A.2.2.2 (continued)

Distribution of completers and median time spent in program by main trade and province, 1995 cohort

Province and main trade	Nominal program duration in jurisdiction	Median duration for completers	Total number of registered apprentices	Completers
	years		number	percent
Native residential construction worker	2	4	76	41
Painter and decorator	2	...	46	x
Plasterer	2	...	25	x
Roofer	3	4	32	34
Stone mason	3	2	32	50
Woodworker	4	5	59	14
Other	...	4	74	20
Electrical, electronics and related trades, total	...	**5**	**1,258**	**59**
Appliance service technician-serviceman	3	3	73	18
Construction electrician	4	5	838	68
Industrial electrician	4 to 5	5	247	42
Powerline technician	4	5	31	71
Other	...	4	69	39
Food and service trades, total	...	**3**	**2,508**	**54**
Assistant cook	1	2	69	16
Baker	3	3	46	28
Cook	3	4	769	31
Hairdresser / hairstylist	2	2	1,544	68
Meat cutter	2	3	33	39
Other	...	5	47	23
Industrial and related mechanical trades, total	...	**5**	**1,105**	**60**
Construction millwright	4	6	69	65
Fitter assembler	3 to 4	...	31	x
Industrial mechanic-millwright	4 to 5	5	557	58
Industrial plant operator	3	4	108	62
Refrigeration and air conditioning mechanic	4	5	243	71
Sawfiler	4	5	33	42
Other	...	4	64	72
Metal fabricating trades, total	...	**5**	**2,492**	**56**
Automatic machinist	3 to 4	4	26	31
Ironworker	3	4	60	87
Machinist	3 to 4	5	526	49
Moulder and engraver	3 to 4	5	316	53
Plumber	4	5	332	61
Reinforcing steel erector	2	...	32	x
Sheet metal worker	3 to 4	4	426	58
Sprinkler system installer	3	6	33	64
Steamfitter-pipefitter	3 to 4	5	110	68
Steel and plate worker	2	5	60	28
Tool and die maker	2 to 5	5	485	63
Welder	2 to 5	4	67	36
Other	...	5	19	42
Motor vehicle and heavy equipment, total	...	**5**	**2,958**	**52**
Agricultural equipment technician	4	5	43	58
Air-cooled and marine engine mechanic (small engines)	2 to 3	3	51	45
Automotive service technician	2 to 4	5	1,765	56
Heavy duty equipment mechanic technician	3 to 4	5	159	55
Mobile crane operator	1 to 3	4	102	58
Motor vehicle body repairer	2 to 3	5	253	29
Motor vehicle painter	1	3	28	29
Motor vehicle steering suspension and brakes mechanic	2 to 3	3	100	44
Motor vehicle transmission mechanic	2	4	35	34
Motorcycle repair mechanic	2	4	28	36
Small equipment mechanic	2	3	55	31
Transport trailer technician	2	3	64	47
Truck and transport mechanic	2	5	251	63

Table A.2.2.2 (continued)

Distribution of completers and median time spent in program by main trade and province, 1995 cohort

Province and main trade	Nominal program duration in jurisdiction	Median duration for completers	Total number of registered apprentices	Completers
	years		number	percent
Other	...	5	24	33
Other trades, total	...	4	401	22
Arborist (tree cutter)	3	4	52	37
Child and youth worker	3	4	38	42
Draftsman	3 to 4	5	35	31
Horticulture	2	4	37	30
Landscape gardener	2	3	183	9
Pool and spa installation and service technician	2	...	25	x
Other	...	4	31	35
Manitoba				
Total population	...	5	751	61
Building construction, total	...	5	112	35
Carpenter	4	5	87	38
Other	...	4	25	24
Electrical, electronics and related trades, total	...	5	133	70
Construction electrician	4	5	123	68
Other	...	5	10	90
Food and service trades, total	...	...	x	x
Industrial and related mechanical trades, total	...	5	44	89
Industrial mechanic-millwright	4	5	25	92
Other	...	5	19	84
Metal fabricating trades, total	...	5	133	63
Machinist	4	4	25	68
Plumber	5	5	60	55
Other	...	5	48	71
Motor vehicle and heavy equipment, total	...	5	289	65
Aircraft maintenance technician	4	6	26	35
Automotive service technician	4	5	111	62
Heavy duty equipment mechanic technician	4	5	117	75
Motor vehicle body repairer	4	5	25	68
Other	...	...	10	x
Other trades, total	...	...	x	x
Alberta				
Total population	...	4	7,305	56
Building construction, total	...	5	719	42
Cabinet maker	4	5	109	35
Carpenter	4	5	383	42
Cement finisher	3	3	33	45
Floor covering installer	2	3	31	48
Insulator installer heat and frost	4	5	39	54
Painter and decorator	3	4	37	51
Roofer	3	4	29	38
Other	...	5	58	41
Electrical, electronics and related trades, total	...	5	713	58
Construction electrician	4	5	574	60
Electrician (communications)	4	6	32	25
Powerline technician	4	5	38	71
Other	...	4	69	54
Food and service trades, total	...	3	1,245	60
Baker	3	4	90	51
Cook	3	3	389	42

Table A.2.2.2 (continued)

Distribution of completers and median time spent in program by main trade and province, 1995 cohort

Province and main trade	Nominal program duration in jurisdiction	Median duration for completers	Total number of registered apprentices	Completers
	years		number	percent
Hairdresser / hairstylist	2	3	738	72
Locksmith	4	5	28	39
Industrial and related mechanical trades, total	...	**5**	**602**	**62**
Boilermaker	4	6	30	63
Industrial instrument mechanic	4	5	169	51
Industrial mechanic-millwright	4	5	277	66
Refrigeration and air conditioning mechanic	4	6	92	66
Other	...	4	34	68
Metal fabricating trades, total	...	**4**	**2,064**	**57**
Gasfitter	2 to 3	3	61	64
Ironworker	1 to 3	4	157	17
Machinist	4	5	172	63
Plumber	4	6	206	54
Sheet metal worker	4	6	117	46
Steamfitter-pipefitter	4	5	229	51
Steel fabricator	3	4	41	49
Welder	3	4	1,062	64
Other	...	5	19	74
Motor vehicle and heavy equipment, total	...	**5**	**1,849**	**58**
Agricultural equipment technician	2	5	48	67
Automotive service technician	4	5	561	62
Crane and hoist operator	1 to 3	3	245	42
Heavy duty equipment mechanic technician	4	5	582	65
Motor vehicle body repairer	3	5	158	48
Motorcycle repair mechanic	4	5	30	57
Partsperson (industrial engine and equipment)	3	4	189	54
Other	...	3	36	72
Other trades, total	...	**5**	**113**	**29**
Landscape gardener	4	5	94	28
Other	...	4	19	37
British Columbia				
Total population	...	**5**	**5,181**	**54**
Building construction, total	...	**5**	**1,348**	**39**
Bricklayer	4	4	30	33
Carpenter	4	5	692	40
Floor covering installer	3	4	35	34
Glazier	4	5	39	44
Joiner	4	5	88	41
Painter and decorator	3	4	102	37
Plasterer	4	5	114	16
Roofer	3	4	105	38
Sawfitter / benchman (lumber manufacturing)	1 to 2	2	61	92
Other	...	4	82	32
Electrical, electronics and related trades, total	...	**5**	**741**	**60**
Construction electrician	4	5	686	59
Other	...	4	55	69
Food and service trades, total	...	**4**	**627**	**39**
Baker	3	4	50	46
Barber	2	3	26	42
Cook	3	4	315	40
Hairdresser / hairstylist	2	3	170	25
Meat cutter	3	3	28	57
Other	...	3	38	68

Table A.2.2.2 (concluded)

Distribution of completers and median time spent in program by main trade and province, 1995 cohort

Province and main trade	Nominal program duration in jurisdiction	Median duration for completers	Total number of registered apprentices	Completers
	years		number	percent
Industrial and related mechanical trades, total	...	**5**	**306**	**74**
Industrial mechanic-millwright	4	5	162	78
Refrigeration and air conditioning mechanic	5	5	81	60
Sawfiler	1	2	27	100
Other	...	6	36	64
Metal fabricating trades, total	...	**5**	**905**	**59**
Gasfitter (domestic and commercial)	2	3	63	67
Ironworker	3	6	34	44
Machinist	4	5	92	74
Plumber	4	5	338	58
Sheet metal worker	4	5	122	52
Sprinkler system installer	4	5	67	52
Steamfitter-pipefitter	4	5	29	76
Steel fabricator	4	5	89	55
Welder	3	4	34	65
Other	...	4	37	54
Motor vehicle and heavy equipment, total	...	**4**	**1,139**	**64**
Automotive service technician	4	5	430	66
Heavy duty equipment mechanic technician	4 to 5	5	169	72
Motor vehicle body repairer	4	5	114	55
Motor vehicle painter	2	3	70	69
Motor vehicle steering suspension and brakes mechanic	2 to 4	2	28	64
Partsperson (industrial engine and equipment)	3	4	34	68
Truck and transport mechanic	4	5	121	63
Other	...	4	173	53
Other trades, total	...	**4**	**115**	**66**
Landscape gardener	4	5	34	56
Other	...	4	81	70

... not applicable

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.2.3

Characteristics of completers by age group at registration and province, 1995 cohort

Province and age group	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number		percent	
All provinces				
All age groups	**14,909**	**93**	**95**	**38**
15 to 19 years	1,671	91	93	49
20 to 24 years	5,782	93	95	40
25 to 29 years	3,198	93	95	36
30 to 39 years	3,192	95	97	34
40 years and over	993	96	97	35
New Brunswick				
All age groups	**414**	**92**	**94**	**45**
15 to 19 years	26	88	96	62
20 to 24 years	173	91	94	42
25 to 29 years	100	90	91	43
30 to 39 years	76	93	95	46
40 years and over	32	100	100	47
Quebec (CCQ)				
All age groups	**1,035**	**88**	**97**	**67**
15 to 19 years	93	87	92	84
20 to 24 years	461	88	99	63
25 to 29 years	216	90	96	69
30 to 39 years	192	89	97	66
40 years and over	73	86	97	63
Ontario				
All age groups	**6,098**	**95**	**96**	**39**
15 to 19 years	708	93	94	48
20 to 24 years	2,451	95	95	42
25 to 29 years	1,277	94	95	37
30 to 39 years	1,248	96	97	36
40 years and over	413	98	98	26
Manitoba				
All age groups	**458**	**98**	**90**	**23**
15 to 19 years	50	92	94	36
20 to 24 years	187	97	87	25
25 to 29 years	106	99	94	25
30 to 39 years	89	100	90	16
40 years and over	19	100	95	x
Alberta				
All age groups	**4,127**	**90**	**94**	**39**
15 to 19 years	490	87	90	53
20 to 24 years	1,522	89	93	42
25 to 29 years	859	88	94	34
30 to 39 years	929	93	96	32
40 years and over	270	96	96	37
British Columbia				
All age groups	**2,777**	**96**	**97**	**27**
15 to 19 years	304	95	96	37
20 to 24 years	988	97	97	24
25 to 29 years	640	97	98	24
30 to 39 years	658	95	97	25
40 years and over	186	93	97	41

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: The age group totals may not sum up to the total population because of unknown age.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.2.4
Characteristics of completers by main trade and province, 1995 cohort

Province and main trade	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number		percent	
All provinces				
Total population	**14,909**	**93**	**95**	**38**
Building construction, total	**1,543**	**92**	**96**	**49**
Bricklayer	35	91	97	77
Building service technician	112	90	99	29
Cabinet maker	38	100	97	42
Carpenter	753	93	95	44
Cement finisher	28	89	93	46
Drywall mechanic	9	100	89	100
Floor covering installer	46	87	93	61
Glazier	21	95	100	29
Insulator installer heat and frost	21	100	100	x
Joiner	36	97	97	25
Lather (interior systems mechanic)	7	x	100	x
Native residential construction worker	31	81	100	100
Painter and decorator	97	96	98	61
Plasterer	34	91	100	65
Roofer	95	92	95	53
Sawfitter / benchman (lumber manufacturing)	56	70	89	88
Stone mason	16	88	100	0
Tile setter	10	100	90	100
Woodworker	8	100	75	x
Other	90	94	97	44
Electrical, electronics and related trades, total	**2,105**	**93**	**96**	**39**
Appliance service technician-serviceman	13	100	85	x
Construction electrician	1,617	93	97	42
Electrician (communications)	8	100	75	x
Industrial electrician	218	95	96	16
Powerline technician	49	92	90	35
Security alarms installer	85	87	96	52
Other	115	93	90	28
Food and service trades, total	**2,409**	**98**	**99**	**42**
Assistant cook	11	91	91	55
Baker	82	100	94	27
Barber	32	100	100	66
Cook	570	96	98	24
Hairdresser / hairstylist	1,625	100	100	48
Locksmith	11	82	100	x
Meat cutter	29	86	97	38
Other	49	98	98	53
Industrial and related mechanical trades, total	**1,456**	**92**	**97**	**34**
Boilermaker	19	84	84	63
Construction millwright	45	96	96	67
Fitter assembler	x	x	x	x
Industrial instrument mechanic	86	76	92	30
Industrial mechanic-millwright	688	93	97	26
Industrial plant operator	67	100	94	39
Refrigeration and air conditioning mechanic	349	95	98	38
Sawfiler	41	61	95	78
Other	x	x	x	x
Metal fabricating trades, total	**3,438**	**92**	**94**	**33**
Automatic machinist	8	100	x	x
Gasfitter	39	92	100	x
Gasfitter (domestic and commercial)	42	86	88	88
Ironworker	111	92	98	67
Machinist	470	90	93	21
Moulder and engraver	166	96	92	17

Table A.2.2.4 (continued)

Characteristics of completers by main trade and province, 1995 cohort

Province and main trade	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number		percent	
Plumber	555	95	92	31
Reinforcing steel erector	x	x	x	x
Sheet metal worker	403	93	94	37
Sprinkler system installer	84	99	98	48
Steamfitter-pipefitter	314	93	91	46
Steel and plate worker	17	94	53	88
Steel fabricator	69	93	96	23
Tool and die maker	307	97	95	20
Welder	743	89	97	33
Other	x	x	x	x
Motor vehicle and heavy equipment, total	**3,743**	**92**	**93**	**39**
Agricultural equipment technician	57	88	54	63
Air-cooled and marine engine mechanic (small engines)	23	78	96	52
Aircraft maintenance technician	9	100	100	78
Automotive service technician	1,724	92	95	28
Crane and hoist operator	112	85	76	85
Heavy duty equipment mechanic technician	673	96	92	25
Heavy duty equipment operator	32	69	81	75
Mobile crane operator	59	90	98	58
Motor vehicle body repairer	239	91	92	48
Motor vehicle painter	56	95	98	71
Motor vehicle steering suspension and brakes mechanic	81	81	93	42
Motor vehicle transmission mechanic	12	100	92	100
Motorcycle repair mechanic	27	78	81	48
Partsperson (industrial engine and equipment)	126	97	95	28
Power shovel operator	58	84	97	98
Small equipment mechanic	17	100	82	100
Transport trailer technician	30	80	90	100
Truck and transport mechanic	264	94	97	70
Other	144	95	98	31
Other trades, total	**215**	**96**	**94**	**37**
Arborist (tree cutter)	19	95	95	47
Child and youth worker	16	100	94	x
Draftsman	11	100	91	x
Horticulture	11	82	73	82
Landscape gardener	62	97	95	35
Pool and spa installation and service technician	x	x	x	x
Other	x	x	x	x
New Brunswick				
Total population	**414**	**92**	**94**	**45**
Building construction, total	**35**	**97**	**97**	**71**
Carpenter	19	95	100	58
Other	16	100	94	88
Electrical, electronics and related trades, total	**68**	**87**	**93**	**32**
Construction electrician	49	88	92	29
Industrial electrician	x	x	x	x
Other	x	x	x	x
Food and service trades, total	**x**	**x**	**x**	**x**
Barber	21	100	100	52
Cook	26	96	100	46
Other	x	x	x	x
Industrial and related mechanical trades, total	**67**	**97**	**93**	**52**
Industrial mechanic-millwright	26	100	96	62
Other	41	95	90	46

Table A.2.2.4 (continued)

Characteristics of completers by main trade and province, 1995 cohort

Province and main trade	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number		percent	
Metal fabricating trades, total	**60**	**87**	**90**	**47**
Machinist	17	94	94	x
Plumber	9	89	78	67
Welder	13	85	92	54
Other	21	81	90	52
Motor vehicle and heavy equipment, total	**111**	**90**	**94**	**32**
Automotive service technician	44	93	91	34
Motor vehicle body repairer	9	100	100	x
Motor vehicle steering suspension and brakes mechanic	19	79	89	32
Truck and transport mechanic	29	93	97	31
Other	10	80	100	x
Other trades, total	**x**	**x**	**x**	**x**
Quebec (CCQ)				
Total population	**1,035**	**88**	**97**	**67**
Building construction, total	**308**	**82**	**97**	**89**
Bricklayer	20	95	100	100
Carpenter	157	82	97	83
Cement finisher	13	77	85	100
Floor covering installer	13	62	100	92
Lather (interior systems mechanic)	x	x	x	x
Painter and decorator	38	89	95	97
Plasterer	14	79	100	93
Roofer	33	79	100	100
Tile setter	10	100	90	100
Other	x	x	x	x
Electrical, electronics and related trades, total	**347**	**93**	**99**	**45**
Construction electrician	162	92	99	69
Industrial electrician	100	98	100	0
Security alarms installer	85	87	96	52
Industrial and related mechanical trades, total	**86**	**95**	**99**	**48**
Industrial mechanic-millwright	9	100	100	67
Refrigeration and air conditioning mechanic	67	94	99	48
Other	10	100	100	x
Metal fabricating trades, total	**192**	**92**	**98**	**68**
Ironworker	17	100	100	82
Sheet metal worker	36	83	100	75
Sprinkler system installer	28	100	100	61
Steamfitter-pipefitter	100	93	98	62
Other	11	82	91	100
Motor vehicle and heavy equipment, total	**102**	**78**	**92**	**88**
Crane and hoist operator	x	x	x	x
Heavy duty equipment operator	32	69	81	75
Power shovel operator	58	84	97	98
Other	x	x	x	x
Ontario				
Total population	**6,098**	**95**	**96**	**39**
Building construction, total	**331**	**90**	**93**	**50**
Bricklayer	x	x	x	x
Building service technician	112	90	99	29
Carpenter	110	94	87	63
Drywall mechanic	9	100	89	100
Floor covering installer	6	x	100	x
Glazier	x	x	x	x

Table A.2.2.4 (continued)

Characteristics of completers by main trade and province, 1995 cohort

Province and main trade	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number		percent	
Native residential construction worker	31	81	100	100
Painter and decorator	x	x	x	x
Plasterer	x	x	x	x
Roofer	11	91	73	x
Stone mason	16	88	100	0
Woodworker	8	100	75	x
Other	15	87	100	x
Electrical, electronics and related trades, total	**737**	**96**	**96**	**41**
Appliance service technician-serviceman	13	100	85	x
Construction electrician	572	96	97	44
Industrial electrician	103	94	93	25
Powerline technician	22	95	100	32
Other	27	96	93	33
Food and service trades, total	**1,343**	**99**	**99**	**42**
Assistant cook	11	91	91	55
Baker	13	100	92	x
Cook	240	97	98	26
Hairdresser / hairstylist	1,055	100	100	45
Meat cutter	13	77	92	77
Other	11	100	91	73
Industrial and related mechanical trades, total	**668**	**95**	**97**	**34**
Construction millwright	45	96	96	67
Fitter assembler	x	x	x	x
Industrial mechanic-millwright	322	93	97	24
Industrial plant operator	67	100	94	39
Refrigeration and air conditioning mechanic	172	98	98	40
Sawfiler	14	100	93	43
Other	x	x	x	x
Metal fabricating trades, total	**1,393**	**95**	**93**	**29**
Automatic machinist	8	100	x	x
Ironworker	52	100	100	44
Machinist	260	90	90	23
Moulder and engraver	166	96	92	17
Plumber	204	97	99	34
Reinforcing steel erector	x	x	x	x
Sheet metal worker	249	95	96	30
Sprinkler system installer	21	95	90	81
Steamfitter-pipefitter	75	97	89	49
Steel and plate worker	17	94	53	88
Tool and die maker	307	97	95	20
Welder	24	92	88	25
Other	x	x	x	x
Motor vehicle and heavy equipment, total	**1,537**	**91**	**95**	**45**
Agricultural equipment technician	25	92	92	36
Air-cooled and marine engine mechanic (small engines)	23	78	96	52
Automotive service technician	981	92	95	30
Heavy duty equipment mechanic technician	87	97	87	43
Mobile crane operator	59	90	98	58
Motor vehicle body repairer	74	92	95	58
Motor vehicle painter	8	88	88	100
Motor vehicle steering suspension and brakes mechanic	44	86	93	45
Motor vehicle transmission mechanic	12	100	92	100
Motorcycle repair mechanic	10	80	90	80
Small equipment mechanic	17	100	82	100
Transport trailer technician	30	80	90	100
Truck and transport mechanic	159	91	98	100
Other	8	88	100	100

Table A.2.2.4 (continued)

Characteristics of completers by main trade and province, 1995 cohort

Province and main trade	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number		percent	
Other trades, total	**89**	**96**	**90**	**47**
Arborist (tree cutter)	19	95	95	47
Child and youth worker	16	100	94	x
Draftsman	11	100	91	x
Horticulture	11	82	73	82
Landscape gardener	17	100	88	76
Pool and spa installation and service technician	x	x	x	x
Other	x	x	x	x
Manitoba				
Total population	**458**	**98**	**90**	**23**
Building construction, total	**39**	**100**	**97**	**23**
Carpenter	33	100	97	21
Other	6	100	100	x
Electrical, electronics and related trades, total	**93**	**97**	**97**	**43**
Construction electrician	84	96	98	45
Other	9	100	89	x
Food and service trades, total	**x**	**x**	**x**	**x**
Industrial and related mechanical trades, total	**39**	**100**	**100**	**15**
Industrial mechanic-millwright	23	100	100	x
Other	16	100	100	x
Metal fabricating trades, total	**84**	**96**	**99**	**14**
Machinist	17	100	100	x
Plumber	33	100	100	x
Other	34	91	97	21
Motor vehicle and heavy equipment, total	**187**	**97**	**80**	**20**
Aircraft maintenance technician	x	x	x	x
Automotive service technician	69	94	100	23
Heavy duty equipment mechanic technician	88	100	58	8
Motor vehicle body repairer	17	94	94	x
Other	x	x	x	x
Other trades, total	**x**	**x**	**x**	**x**
Alberta				
Total population	**4,127**	**90**	**94**	**39**
Building construction, total	**302**	**95**	**94**	**34**
Cabinet maker	38	100	97	42
Carpenter	159	91	93	35
Cement finisher	15	100	100	0
Floor covering installer	15	100	87	73
Insulator installer heat and frost	21	100	100	x
Painter and decorator	19	100	100	x
Roofer	11	100	91	x
Other	24	92	92	46
Electrical, electronics and related trades, total	**416**	**84**	**94**	**42**
Construction electrician	344	83	96	43
Electrician (communications)	8	100	75	x
Powerline technician	27	89	81	37
Other	37	84	89	27
Food and service trades, total	**749**	**97**	**99**	**44**
Baker	46	100	93	33
Cook	164	91	96	25
Hairdresser / hairstylist	528	99	100	52
Locksmith	11	82	100	x

Table A.2.2.4 (continued)

Characteristics of completers by main trade and province, 1995 cohort

Province and main trade	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number		percent	
Industrial and related mechanical trades, total	**371**	**83**	**95**	**35**
Boilermaker	19	84	84	63
Industrial instrument mechanic	86	76	92	30
Industrial mechanic-millwright	182	85	96	30
Refrigeration and air conditioning mechanic	61	82	98	52
Other	23	96	96	26
Metal fabricating trades, total	**1,175**	**88**	**93**	**36**
Gasfitter	39	92	100	x
Ironworker	27	70	93	96
Machinist	108	86	97	24
Plumber	112	86	69	52
Sheet metal worker	54	87	80	63
Steamfitter-pipefitter	117	89	85	33
Steel fabricator	20	85	90	x
Welder	684	89	98	34
Other	14	86	100	x
Motor vehicle and heavy equipment, total	**1,081**	**91**	**91**	**40**
Agricultural equipment technician	32	84	25	84
Automotive service technician	346	89	94	33
Crane and hoist operator	104	87	74	84
Heavy duty equipment mechanic technician	377	93	98	27
Motor vehicle body repairer	76	88	91	67
Motorcycle repair mechanic	17	76	76	x
Partsperson (industrial engine and equipment)	103	97	94	30
Other	26	96	96	54
Other trades, total	**33**	**100**	**97**	**18**
Landscape gardener	26	100	96	x
Other	7	100	100	x
British Columbia				
Total population	**2,777**	**96**	**97**	**27**
Building construction, total	**528**	**96**	**97**	**33**
Bricklayer	10	100	100	x
Carpenter	275	99	97	22
Floor covering installer	12	100	92	x
Glazier	17	94	100	x
Joiner	36	97	97	25
Painter and decorator	38	100	100	47
Plasterer	18	100	100	39
Roofer	40	100	98	28
Sawfitter / benchman (lumber manufacturing)	56	70	89	88
Other	26	96	100	27
Electrical, electronics and related trades, total	**444**	**98**	**97**	**28**
Construction electrician	406	98	98	28
Other	38	97	89	29
Food and service trades, total	**245**	**99**	**100**	**32**
Baker	23	100	96	x
Barber	11	100	100	91
Cook	127	98	100	13
Hairdresser / hairstylist	42	100	100	81
Meat cutter	16	94	100	x
Other	26	100	100	46
Industrial and related mechanical trades, total	**225**	**92**	**98**	**26**
Industrial mechanic-millwright	126	99	98	17
Refrigeration and air conditioning mechanic	49	100	98	x

Table A.2.2.4 (concluded)

Characteristics of completers by main trade and province, 1995 cohort

Province and main trade	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number		percent	
Sawfiler	27	41	96	96
Other	23	96	100	39
Metal fabricating trades, total	**534**	**96**	**97**	**25**
Gasfitter (domestic and commercial)	42	86	88	88
Ironworker	15	93	100	73
Machinist	68	94	96	x
Plumber	197	98	99	18
Sheet metal worker	64	94	95	22
Sprinkler system installer	35	100	100	17
Steamfitter-pipefitter	22	95	95	27
Steel fabricator	49	96	98	22
Welder	22	95	95	x
Other	20	95	95	35
Motor vehicle and heavy equipment, total	**725**	**96**	**97**	**22**
Automotive service technician	284	97	97	15
Heavy duty equipment mechanic technician	121	99	99	21
Motor vehicle body repairer	63	90	87	25
Motor vehicle painter	48	96	100	67
Motor vehicle steering suspension and brakes mechanic	18	72	94	44
Partsperson (industrial engine and equipment)	23	96	100	x
Truck and transport mechanic	76	99	95	22
Other	92	97	98	14
Other trades, total	**76**	**93**	**96**	**28**
Landscape gardener	19	89	100	x
Other	57	95	95	30

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.2.5

Median and mean age at registration of completers, by main trade and province, 1995 cohort

Province and main trade	Number of completers	Median age	Mean age
	number	years	
All provinces			
Total population	**14,836**	**24**	**27**
Building construction, total	**1,540**	**26**	**28**
Bricklayer	35	23	24
Building service technician	112	35	37
Cabinet maker	38	26	27
Carpenter	750	24	26
Cement finisher	28	27	29
Drywall mechanic	9	29	26
Floor covering installer	46	25	27
Glazier	21	28	28
Insulator installer heat and frost	21	27	29
Joiner	36	24	25
Lather (interior systems mechanic)	7	22	24
Native residential construction worker	31	27	29
Painter and decorator	97	27	29
Plasterer	34	24	26
Roofer	95	25	27
Sawfitter / benchman (lumber manufacturing)	56	36	36
Stone mason	16	40	41
Tile setter	10	33	31
Woodworker	8	23	23
Other	90	26	27
Electrical, electronics and related trades, total	**2,101**	**25**	**27**
Appliance service technician-serviceman	13	26	29
Construction electrician	1,613	24	26
Electrician (communications)	8	28	29
Industrial electrician	218	27	29
Powerline technician	49	29	29
Security alarms installer	85	26	27
Other	115	30	31
Food and service trades, total	**2,391**	**23**	**26**
Assistant cook	11	32	31
Baker	81	26	28
Barber	32	27	29
Cook	562	24	26
Hairdresser / hairstylist	1,616	23	26
Locksmith	11	36	37
Meat cutter	29	22	24
Other	49	27	29
Industrial and related mechanical trades, total	**1,452**	**28**	**29**
Boilermaker	19	30	30
Construction millwright	45	24	25
Fitter assembler	x	x	x
Industrial instrument mechanic	85	27	29
Industrial mechanic-millwright	686	30	30
Industrial plant operator	67	33	33
Refrigeration and air conditioning mechanic	349	25	27
Sawfiler	41	37	37
Other	158	28	29
Metal fabricating trades, total	**3,416**	**24**	**26**
Automatic machinist	8	35	31
Gasfitter	39	35	35
Gasfitter (domestic and commercial)	42	24	27
Ironworker	111	25	26
Machinist	468	25	26
Moulder and engraver	166	22	23
Plumber	554	23	25
Reinforcing steel erector	x	x	x

Table A.2.2.5 (continued)

Median and mean age at registration of completers, by main trade and province, 1995 cohort

Province and main trade	Number of completers	Median age	Mean age
	number	years	
Sheet metal worker	402	26	29
Sprinkler system installer	84	25	25
Steamfitter-pipefitter	313	25	27
Steel and plate worker	17	27	28
Steel fabricator	69	24	26
Tool and die maker	307	24	26
Welder	726	25	26
Other	108	23	26
Motor vehicle and heavy equipment, total	**3,723**	**23**	**25**
Agricultural equipment technician	55	22	23
Air-cooled and marine engine mechanic (small engines)	23	22	24
Aircraft maintenance technician	9	24	23
Automotive service technician	1,718	22	24
Crane and hoist operator	109	33	33
Heavy duty equipment mechanic technician	668	25	27
Heavy duty equipment operator	32	30	32
Mobile crane operator	59	26	27
Motor vehicle body repairer	238	22	23
Motor vehicle painter	56	23	25
Motor vehicle steering suspension and brakes mechanic	81	31	32
Motor vehicle transmission mechanic	12	26	27
Motorcycle repair mechanic	27	23	25
Partsperson (industrial engine and equipment)	124	24	26
Power shovel operator	58	29	32
Small equipment mechanic	17	25	27
Transport trailer technician	30	26	26
Truck and transport mechanic	263	23	25
Other	144	27	29
Other trades, total	**213**	**31**	**32**
Arborist (tree cutter)	19	25	26
Child and youth worker	16	42	41
Draftsman	11	22	25
Horticulture	11	33	31
Landscape gardener	62	29	30
Pool and spa installation and service technician	x	x	x
Other	x	x	x
New Brunswick			
Total population	**407**	**25**	**27**
Building construction, total	**34**	**26**	**27**
Carpenter	18	27	28
Other	16	25	26
Electrical, electronics and related trades, total	**68**	**24**	**27**
Construction electrician	49	23	25
Industrial electrician	x	x	x
Other	x	x	x
Food and service trades, total	**x**	**x**	**x**
Barber	21	26	28
Cook	23	25	26
Other	x	x	x
Industrial and related mechanical trades, total	**66**	**28**	**30**
Industrial mechanic-millwright	25	30	30
Other	41	28	30
Metal fabricating trades, total	**60**	**23**	**25**
Machinist	17	23	25
Plumber	9	24	26
Welder	13	24	25
Other	21	22	25

Table A.2.2.5 (continued)

Median and mean age at registration of completers, by main trade and province, 1995 cohort

Province and main trade	Number of completers	Median age	Mean age
	number	years	
Motor vehicle and heavy equipment, total	**110**	**22**	**24**
Automotive service technician	44	22	24
Motor vehicle body repairer	9	22	22
Motor vehicle steering suspension and brakes mechanic	19	23	24
Truck and transport mechanic	28	24	24
Other	10	22	24
Other trades, total	**x**	**x**	**x**
Quebec (CCQ)			
Total population	**1,035**	**24**	**26**
Building construction, total	**308**	**24**	**26**
Bricklayer	20	21	23
Carpenter	157	22	25
Cement finisher	13	26	24
Floor covering installer	13	26	29
Lather (interior systems mechanic)	x	x	x
Painter and decorator	38	27	29
Plasterer	14	24	25
Roofer	33	25	27
Tile setter	10	33	31
Other	x	x	x
Electrical, electronics and related trades, total	**347**	**24**	**26**
Construction electrician	162	23	24
Industrial electrician	100	26	28
Security alarms installer	85	26	27
Industrial and related mechanical trades, total	**86**	**24**	**25**
Industrial mechanic-millwright	9	30	28
Refrigeration and air conditioning mechanic	67	23	24
Other	10	22	26
Metal fabricating trades, total	**192**	**23**	**25**
Ironworker	17	31	31
Sheet metal worker	36	24	25
Sprinkler system installer	28	23	24
Steamfitter-pipefitter	100	22	24
Other	11	31	30
Motor vehicle and heavy equipment, total	**102**	**29**	**32**
Crane and hoist operator	x	x	x
Heavy duty equipment operator	32	30	32
Power shovel operator	58	29	32
Other	x	x	x
Ontario			
Total population	**6,097**	**24**	**26**
Building construction, total	**331**	**29**	**30**
Bricklayer	x	x	x
Building service technician	112	35	37
Carpenter	110	24	25
Drywall mechanic	9	29	26
Floor covering installer	6	34	30
Glazier	x	x	x
Native residential construction worker	31	27	29
Painter and decorator	x	x	x
Plasterer	x	x	x
Roofer	11	26	26
Stone mason	16	40	41
Woodworker	8	23	23
Other	15	26	26

Table A.2.2.5 (continued)

Median and mean age at registration of completers, by main trade and province, 1995 cohort

Province and main trade	Number of completers	Median age	Mean age
	number	years	
Electrical, electronics and related trades, total	**737**	**24**	**26**
Appliance service technician-serviceman	13	26	29
Construction electrician	572	24	25
Industrial electrician	103	29	30
Powerline technician	22	31	31
Other	27	30	32
Food and service trades, total	**1,342**	**24**	**27**
Assistant cook	11	32	31
Baker	13	25	27
Cook	240	24	26
Hairdresser / hairstylist	1,054	24	27
Meat cutter	13	22	24
Other	11	24	26
Industrial and related mechanical trades, total	**668**	**28**	**29**
Construction millwright	45	24	25
Fitter assembler	x	x	x
Industrial mechanic-millwright	322	30	30
Industrial plant operator	67	33	33
Refrigeration and air conditioning mechanic	172	26	27
Sawfiler	14	32	32
Other	x	x	x
Metal fabricating trades, total	**1,393**	**24**	**26**
Automatic machinist	8	35	31
Ironworker	52	24	25
Machinist	260	25	26
Moulder and engraver	166	22	23
Plumber	204	23	25
Reinforcing steel erector	x	x	x
Sheet metal worker	249	30	31
Sprinkler system installer	21	24	25
Steamfitter-pipefitter	75	26	29
Steel and plate worker	17	27	28
Tool and die maker	307	24	26
Welder	24	22	25
Other	x	x	x
Motor vehicle and heavy equipment, total	**1,537**	**22**	**24**
Agricultural equipment technician	25	21	22
Air-cooled and marine engine mechanic (small engines)	23	22	24
Automotive service technician	981	22	23
Heavy duty equipment mechanic technician	87	27	28
Mobile crane operator	59	26	27
Motor vehicle body repairer	74	22	22
Motor vehicle painter	8	22	24
Motor vehicle steering suspension and brakes mechanic	44	37	36
Motor vehicle transmission mechanic	12	26	27
Motorcycle repair mechanic	10	24	26
Small equipment mechanic	17	25	27
Transport trailer technician	30	26	26
Truck and transport mechanic	159	22	24
Other	8	25	25
Other trades, total	**89**	**27**	**30**
Arborist (tree cutter)	19	25	26
Child and youth worker	16	42	41
Draftsman	11	22	25
Horticulture	11	33	31
Landscape gardener	17	25	27
Pool and spa installation and service technician	x	x	x
Other	x	x	x

Table A.2.2.5 (continued)

Median and mean age at registration of completers, by main trade and province, 1995 cohort

Province and main trade	Number of completers	Median age	Mean age
	number	years	
Manitoba			
Total population	**451**	**24**	**26**
Building construction, total	**39**	**25**	**26**
Carpenter	33	25	26
Other	6	27	29
Electrical, electronics and related trades, total	**92**	**25**	**26**
Construction electrician	83	24	25
Other	9	33	32
Food and service trades, total	**x**	**x**	**x**
Industrial and related mechanical trades, total	**38**	**30**	**30**
Industrial mechanic-millwright	23	31	32
Other	15	26	28
Metal fabricating trades, total	**83**	**24**	**26**
Machinist	16	26	27
Plumber	33	24	25
Other	34	24	26
Motor vehicle and heavy equipment, total	**186**	**23**	**24**
Aircraft maintenance technician	x	x	x
Automotive service technician	69	22	24
Heavy duty equipment mechanic technician	87	24	25
Motor vehicle body repairer	17	21	22
Other	x	x	x
Other trades, total	**x**	**x**	**x**
Alberta			
Total population	**4,070**	**25**	**27**
Building construction, total	**300**	**25**	**27**
Cabinet maker	38	26	27
Carpenter	157	24	26
Cement finisher	15	32	32
Floor covering installer	15	24	24
Insulator installer heat and frost	21	27	29
Painter and decorator	19	31	31
Roofer	11	25	28
Other	24	25	27
Electrical, electronics and related trades, total	**413**	**25**	**27**
Construction electrician	341	24	27
Electrician (communications)	8	28	29
Powerline technician	27	26	28
Other	37	28	29
Food and service trades, total	**738**	**23**	**25**
Baker	46	27	28
Cook	161	23	26
Hairdresser / hairstylist	520	22	24
Locksmith	11	36	37
Industrial and related mechanical trades, total	**369**	**28**	**29**
Boilermaker	19	30	30
Industrial instrument mechanic	85	27	29
Industrial mechanic-millwright	181	28	29
Refrigeration and air conditioning mechanic	61	27	28
Other	23	29	32
Metal fabricating trades, total	**1,154**	**25**	**27**
Gasfitter	39	35	35
Ironworker	27	23	26

Table A.2.2.5 (continued)

Median and mean age at registration of completers, by main trade and province, 1995 cohort

Province and main trade	Number of completers	Median age	Mean age
	number	years	
Machinist	107	26	27
Plumber	111	23	26
Sheet metal worker	53	24	26
Steamfitter-pipefitter	116	28	30
Steel fabricator	20	26	29
Welder	667	24	26
Other	14	22	25
Motor vehicle and heavy equipment, total	**1,063**	**24**	**26**
Agricultural equipment technician	30	22	24
Automotive service technician	340	23	25
Crane and hoist operator	101	33	33
Heavy duty equipment mechanic technician	373	26	27
Motor vehicle body repairer	75	21	23
Motorcycle repair mechanic	17	22	25
Partsperson (industrial engine and equipment)	101	24	26
Other	26	28	29
Other trades, total	**33**	**33**	**32**
Landscape gardener	26	32	32
Other	7	38	32
British Columbia			
Total population	**2,776**	**25**	**27**
Building construction, total	**528**	**26**	**27**
Bricklayer	10	25	25
Carpenter	275	24	25
Floor covering installer	12	29	28
Glazier	17	26	27
Joiner	36	24	25
Painter and decorator	38	26	27
Plasterer	18	26	27
Roofer	40	26	27
Sawfitter / benchman (lumber manufacturing)	56	36	36
Other	26	27	29
Electrical, electronics and related trades, total	**444**	**25**	**27**
Construction electrician	406	25	27
Other	38	31	31
Food and service trades, total	**244**	**25**	**26**
Baker	22	25	27
Barber	11	29	30
Cook	127	24	25
Hairdresser / hairstylist	42	22	25
Meat cutter	16	24	25
Other	26	28	30
Industrial and related mechanical trades, total	**225**	**33**	**32**
Industrial mechanic-millwright	126	33	32
Refrigeration and air conditioning mechanic	49	26	30
Sawfiler	27	40	40
Other	23	28	29
Metal fabricating trades, total	**534**	**24**	**26**
Gasfitter (domestic and commercial)	42	24	27
Ironworker	15	25	26
Machinist	68	24	26
Plumber	197	24	25
Sheet metal worker	64	24	25
Sprinkler system installer	35	25	25
Steamfitter-pipefitter	22	24	27
Steel fabricator	49	23	24
Welder	22	30	29
Other	20	23	25

Table A.2.2.5 (concluded)

Median and mean age at registration of completers, by main trade and province, 1995 cohort

Province and main trade	Number of completers	Median age	Mean age
	number	years	
Motor vehicle and heavy equipment, total	**725**	**24**	**26**
Automotive service technician	284	23	24
Heavy duty equipment mechanic technician	121	25	26
Motor vehicle body repairer	63	23	25
Motor vehicle painter	48	23	25
Motor vehicle steering suspension and brakes mechanic	18	31	30
Partsperson (industrial engine and equipment)	23	26	26
Truck and transport mechanic	76	25	26
Other	92	28	30
Other trades, total	**76**	**31**	**31**
Landscape gardener	19	32	30
Other	57	31	32

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: Apprentices for whom the age is unknown are excluded from this table.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.2.6

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1995 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
All provinces			
Total population	**29,501**	**5**	**51**
1 year	**1,138**	**3**	**31**
Building construction, total	**130**	**2**	**57**
Floor covering installer	28	3	46
Roofer	70	3	47
Sawfitter / benchman (lumber manufacturing)	32	2	88
Food and service trades, total	**80**	**2**	**15**
Assistant cook	69	2	16
Other	11	...	x
Industrial and related mechanical trades, total	**38**	**2**	**87**
Sawfiler	27	2	100
Other	11	3	55
Metal fabricating trades, total	**152**	**3**	**18**
Ironworker	141	3	16
Other	11	...	x
Motor vehicle and heavy equipment, total	**732**	**3**	**28**
Crane and hoist operator	409	3	24
Heavy duty equipment operator	103	3	31
Mobile crane operator	x	...	x
Motor vehicle painter	28	4	29
Power shovel operator	175	4	33
Other	x	...	x
Other trades, total	**6**	**2**	**100**
Other	6	2	100
2 years	**4,381**	**3**	**55**
Building construction, total	**429**	**4**	**25**
Bricklayer	70	...	x
Cement finisher	46	5	28
Drywall mechanic	89	6	10
Floor covering installer	31	3	48
Native residential construction worker	76	4	41
Painter and decorator	46	...	x
Plasterer	25	...	x
Sawfitter / benchman (lumber manufacturing)	29	3	97
Other	17	...	x
Electrical, electronics and related trades, total	**22**	**3**	**45**
Other	22	3	45
Food and service trades, total	**2,595**	**2**	**65**
Barber	60	3	53
Hairdresser / hairstylist	2,452	2	66
Meat cutter	33	3	39
Other	50	3	38
Industrial and related mechanical trades, total	**15**	**4**	**47**
Other	15	4	47
Metal fabricating trades, total	**241**	**4**	**40**
Gasfitter	x	...	x
Gasfitter (domestic and commercial)	63	3	67
Ironworker	45	5	38
Reinforcing steel erector	32	...	x
Steel and plate worker	60	5	28

Table A.2.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1995 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Tool and die maker	x	...	x
Welder	7	...	x
Other	28	4	39
Motor vehicle and heavy equipment, total	**798**	**4**	**53**
Agricultural equipment technician	48	5	67
Air-cooled and marine engine mechanic (small engines)	34	3	44
Automotive service technician	16	4	63
Motor vehicle body repairer	32	5	22
Motor vehicle painter	70	3	69
Motor vehicle steering suspension and brakes mechanic	103	3	38
Motor vehicle transmission mechanic	35	4	34
Motorcycle repair mechanic	28	4	36
Small equipment mechanic	55	3	31
Transport trailer technician	64	3	47
Truck and transport mechanic	251	5	63
Other	62	3	65
Other trades, total	**281**	**3**	**22**
Horticulture	37	4	30
Landscape gardener	183	3	9
Pool and spa installation and service technician	25	...	x
Other	36	3	83
3 years	**7,193**	**4**	**44**
Building construction, total	**2,095**	**5**	**33**
Bricklayer	51	8	39
Building service technician	279	3	40
Carpenter	966	6	28
Cement finisher	33	3	45
Floor covering installer	80	4	23
Lather (interior systems mechanic)	26	7	27
Painter and decorator	250	5	38
Plasterer	42	8	33
Roofer	166	4	37
Stone mason	32	2	50
Tile setter	34	8	29
Other	136	5	38
Electrical, electronics and related trades, total	**366**	**4**	**32**
Appliance service technician-serviceman	73	3	18
Security alarms installer	236	5	36
Other	57	4	33
Food and service trades, total	**1,791**	**4**	**38**
Baker	186	4	44
Cook	1,561	4	37
Meat cutter	28	4	57
Other	16	5	75
Industrial and related mechanical trades, total	**263**	**4**	**54**
Fitter assembler	27	...	x
Industrial mechanic-millwright	35	5	26
Industrial plant operator	108	4	62
Other	93	5	71
Metal fabricating trades, total	**1,624**	**4**	**63**
Automatic machinist	18	...	x
Gasfitter	60	3	65
Ironworker	110	5	65
Machinist	12	4	58
Moulder and engraver	x	...	x

Table A.2.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1995 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Sheet metal worker	200	4	64
Sprinkler system installer	33	6	64
Steamfitter-pipefitter	x	...	x
Steel fabricator	41	4	49
Welder	1,124	4	64
Other	24	5	46
Motor vehicle and heavy equipment, total	**946**	**4**	**49**
Air-cooled and marine engine mechanic (small engines)	17	4	47
Crane and hoist operator	39	4	38
Heavy duty equipment mechanic technician	20	5	100
Mobile crane operator	86	5	59
Motor vehicle body repairer	380	5	38
Motor vehicle steering suspension and brakes mechanic	54	3	76
Partsperson (industrial engine and equipment)	223	4	57
Other	127	4	46
Other trades, total	**108**	**4**	**42**
Arborist (tree cutter)	52	4	37
Child and youth worker	38	4	42
Draftsman	x	...	x
Other	x	...	x
4 years	**16,435**	**5**	**54**
Building construction, total	**1,879**	**5**	**36**
Bricklayer	30	5	33
Cabinet maker	109	5	35
Carpenter	1,231	5	39
Glazier	76	5	28
Insulator installer heat and frost	39	5	54
Joiner	88	5	41
Plasterer	114	5	16
Woodworker	59	6	14
Other	133	5	26
Electrical, electronics and related trades, total	**3,670**	**5**	**53**
Construction electrician	2,526	5	62
Electrician (communications)	32	7	25
Industrial electrician	908	5	24
Powerline technician	69	5	71
Other	135	5	64
Food and service trades, total	**48**	**4**	**58**
Locksmith	28	5	39
Other	20	4	85
Industrial and related mechanical trades, total	**1,885**	**5**	**63**
Boilermaker	30	6	63
Construction millwright	69	6	65
Fitter assembler	x	...	x
Industrial instrument mechanic	169	5	51
Industrial mechanic-millwright	1,045	5	64
Refrigeration and air conditioning mechanic	438	5	68
Sawfiler	33	5	42
Other	x	...	x
Metal fabricating trades, total	**4,268**	**5**	**53**
Automatic machinist	8	...	x
Machinist	831	5	56
Moulder and engraver	315	5	53
Plumber	901	5	58
Sheet metal worker	548	5	50

Table A.2.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1995 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Sprinkler system installer	118	5	53
Steamfitter-pipefitter	820	5	38
Steel fabricator	89	5	55
Tool and die maker	479	5	63
Welder	56	4	38
Other	103	5	65
Motor vehicle and heavy equipment, total	**4,438**	**5**	**60**
Agricultural equipment technician	43	5	58
Aircraft maintenance technician	26	6	35
Automotive service technician	2,921	5	59
Heavy duty equipment mechanic technician	1,003	5	65
Motor vehicle body repairer	164	5	54
Motor vehicle steering suspension and brakes mechanic	x	...	x
Motorcycle repair mechanic	30	5	57
Truck and transport mechanic	163	5	64
Other	x	...	x
Other trades, total	**247**	**5**	**38**
Draftsman	33	5	30
Landscape gardener	128	5	35
Other	86	5	44
5 years	**354**	**5**	**54**
Electrical, electronics and related trades, total	**127**	**6**	**39**
Construction electrician	82	6	60
Industrial electrician	45	...	x
Industrial and related mechanical trades, total	**127**	**5**	**62**
Industrial mechanic-millwright	14	5	79
Refrigeration and air conditioning mechanic	81	5	60
Other	32	5	59
Metal fabricating trades, total	**81**	**5**	**60**
Plumber	60	5	55
Tool and die maker	x	...	x
Welder	x	...	x
Other	18	6	78
Motor vehicle and heavy equipment, total	**x**	**...**	**x**
Other trades, total	**15**	**5**	**60**
New Brunswick			
Total population	**753**	**5**	**55**
1 year	**10**	**...**	**x**
Industrial and related mechanical trades, total	**10**	**...**	**x**
Other	10	...	x
2 years	**50**	**3**	**70**
Food and service trades, total	**x**	**...**	**x**
Industrial and related mechanical trades, total	**x**	**...**	**x**
Motor vehicle and heavy equipment, total	**x**	**...**	**x**
Other trades, total	**x**	**...**	**x**
3 years	**189**	**4**	**54**
Building construction, total	**32**	**6**	**41**
Other	32	6	41

Table A.2.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1995 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Electrical, electronics and related trades, total	**6**	...	**0**
Other	6	...	0
Food and service trades, total	**x**	...	**x**
Cook	60	4	43
Other	x	...	x
Industrial and related mechanical trades, total	**16**	**4**	**100**
Other	16	4	100
Metal fabricating trades, total	**26**	**5**	**50**
Welder	26	5	50
Motor vehicle and heavy equipment, total	**36**	**3**	**61**
Motor vehicle steering suspension and brakes mechanic	30	3	63
Other	6	...	x
Other trades, total	**x**	...	**x**
4 years	**421**	**5**	**53**
Building construction, total	**73**	**6**	**30**
Electrical, electronics and related trades, total	**32**	**5**	**59**
Industrial and related mechanical trades, total	**79**	**6**	**58**
Industrial mechanic-millwright	38	6	68
Other	41	5	49
Metal fabricating trades, total	**87**	**5**	**54**
Machinist	28	5	61
Plumber	25	6	36
Other	34	6	62
Motor vehicle and heavy equipment, total	**150**	**5**	**59**
Automotive service technician	70	5	63
Motor vehicle body repairer	25	5	32
Truck and transport mechanic	42	5	69
Other	13	6	54
5 years	**83**	**6**	**60**
Electrical, electronics and related trades, total	**82**	**6**	**60**
Construction electrician	82	6	60
Other trades, total	**x**	...	**x**
Quebec (CCQ)			
Total population	**3,449**	**5**	**30**
1 year	**590**	**3**	**25**
Building construction, total	**98**	**3**	**47**
Floor covering installer	28	3	46
Roofer	70	3	47
Metal fabricating trades, total	**11**	...	**x**
Motor vehicle and heavy equipment, total	**481**	**4**	**20**
Crane and hoist operator	203	4	4
Heavy duty equipment operator	103	3	31
Power shovel operator	175	4	33
2 years	**107**	**5**	**34**
Building construction, total	**46**	**5**	**28**
Cement finisher	46	5	28

Table A.2.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1995 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Metal fabricating trades, total	**61**	**5**	**38**
Ironworker	45	5	38
Other	16	5	38
3 years	**1,147**	**6**	**34**
Building construction, total	**765**	**7**	**33**
Bricklayer	51	8	39
Carpenter	490	6	32
Lather (interior systems mechanic)	26	7	27
Painter and decorator	111	7	34
Plasterer	42	8	33
Tile setter	34	8	29
Other	11	...	x
Electrical, electronics and related trades, total	**236**	**5**	**36**
Security alarms installer	236	5	36
Industrial and related mechanical trades, total	**48**	**5**	**23**
Industrial mechanic-millwright	35	5	26
Other	13	...	x
Metal fabricating trades, total	**83**	**5**	**43**
Sheet metal worker	83	5	43
Motor vehicle and heavy equipment, total	**15**	**4**	**x**
Other	15	...	x
4 years	**1,591**	**5**	**29**
Electrical, electronics and related trades, total	**984**	**5**	**27**
Construction electrician	305	6	53
Industrial electrician	679	4	15
Industrial and related mechanical trades, total	**103**	**5**	**65**
Refrigeration and air conditioning mechanic	103	5	65
Metal fabricating trades, total	**504**	**6**	**25**
Sprinkler system installer	51	6	55
Steamfitter-pipefitter	453	6	22
5 years	**14**	**6**	**57**
Industrial and related mechanical trades, total	**14**	**6**	**57**
Other	14	6	57
Ontario			
Total population	**12,062**	**4**	**51**
1 year	**126**	**2**	**24**
Food and service trades, total	**80**	**2**	**15**
Assistant cook	69	2	16
Other	11	...	x
Industrial and related mechanical trades, total	**x**	...	**x**
Motor vehicle and heavy equipment, total	**45**	**3**	**38**
Mobile crane operator	x	...	x
Motor vehicle painter	28	4	29
Other	x	...	x
2 years	**2,918**	**3**	**51**

Table A.2.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1995 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Building construction, total	**323**	**5**	**16**
Bricklayer	70	...	x
Drywall mechanic	89	6	10
Native residential construction worker	76	4	41
Painter and decorator	46	...	x
Plasterer	25	...	x
Other	17	...	x
Electrical, electronics and related trades, total	**11**	**...**	**x**
Food and service trades, total	**1,604**	**2**	**67**
Hairdresser / hairstylist	1,544	2	68
Meat cutter	33	3	39
Other	27	...	x
Industrial and related mechanical trades, total	**14**	**4**	**50**
Other	14	4	50
Metal fabricating trades, total	**104**	**4**	**25**
Reinforcing steel erector	32	...	x
Steel and plate worker	60	5	28
Tool and die maker	x	...	x
Welder	x	...	x
Motor vehicle and heavy equipment, total	**609**	**5**	**47**
Air-cooled and marine engine mechanic (small engines)	34	3	44
Automotive service technician	16	4	63
Motor vehicle body repairer	31	5	19
Motor vehicle steering suspension and brakes mechanic	76	4	29
Motor vehicle transmission mechanic	35	4	34
Motorcycle repair mechanic	28	4	36
Small equipment mechanic	55	3	31
Transport trailer technician	64	3	47
Truck and transport mechanic	251	5	63
Other	19	...	x
Other trades, total	**253**	**4**	**14**
Horticulture	37	4	30
Landscape gardener	183	3	9
Pool and spa installation and service technician	25	...	x
Other	8	...	x
3 years	**2,671**	**4**	**38**
Building construction, total	**865**	**4**	**29**
Building service technician	279	3	40
Carpenter	476	5	23
Floor covering installer	45	3	13
Roofer	32	4	34
Stone mason	x	...	x
Other	x	...	x
Electrical, electronics and related trades, total	**98**	**4**	**18**
Appliance service technician-serviceman	73	3	18
Other	25	...	x
Food and service trades, total	**819**	**4**	**31**
Baker	x	...	x
Cook	769	4	31
Other	x	...	x

Table A.2.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1995 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Industrial and related mechanical trades, total	**158**	**4**	**56**
Fitter assembler	27	...	x
Industrial plant operator	108	4	62
Other	23	4	91
Metal fabricating trades, total	**261**	**4**	**70**
Automatic machinist	18	...	x
Ironworker	60	4	87
Machinist	12	4	58
Moulder and engraver	x	...	x
Sheet metal worker	117	4	78
Sprinkler system installer	33	6	64
Steamfitter-pipefitter	x	...	x
Welder	x	...	x
Other	17	5	41
Motor vehicle and heavy equipment, total	**373**	**5**	**46**
Air-cooled and marine engine mechanic (small engines)	x	...	x
Heavy duty equipment mechanic technician	20	5	100
Mobile crane operator	86	5	59
Motor vehicle body repairer	222	5	31
Motor vehicle steering suspension and brakes mechanic	24	3	92
Other	x	...	x
Other trades, total	**97**	**4**	**37**
Arborist (tree cutter)	52	4	37
Child and youth worker	38	4	42
Draftsman	x	...	x
Other	x	...	x
4 years	**6,284**	**5**	**57**
Building construction, total	**152**	**4**	**16**
Glazier	37	...	x
Woodworker	59	6	14
Other	56	3	21
Electrical, electronics and related trades, total	**1,104**	**5**	**65**
Construction electrician	838	5	68
Industrial electrician	202	5	50
Powerline technician	31	5	71
Other	33	3	58
Food and service trades, total	**x**	**...**	**x**
Industrial and related mechanical trades, total	**917**	**5**	**61**
Construction millwright	69	6	65
Fitter assembler	x	...	x
Industrial mechanic-millwright	543	5	57
Refrigeration and air conditioning mechanic	243	5	71
Sawfiler	33	5	42
Other	x	...	x
Metal fabricating trades, total	**2,124**	**5**	**56**
Automatic machinist	x	...	x
Machinist	514	5	49
Moulder and engraver	315	5	53
Plumber	332	5	61
Sheet metal worker	309	5	51
Steamfitter-pipefitter	109	6	68
Tool and die maker	479	5	63
Welder	56	4	38
Other	x	...	x

Table A.2.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1995 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Motor vehicle and heavy equipment, total	**1,931**	**5**	**55**
Agricultural equipment technician	43	5	58
Automotive service technician	1,749	5	56
Heavy duty equipment mechanic technician	139	5	48
Other trades, total	**51**	**5**	**33**
Draftsman	33	5	30
Other	18	4	39
5 years	**63**	**5**	**24**
Electrical, electronics and related trades, total	**45**	**...**	**x**
Industrial electrician	45	...	x
Industrial and related mechanical trades, total	**15**	**5**	**80**
Industrial mechanic-millwright	x	...	x
Other	x	...	x
Metal fabricating trades, total	**x**	**...**	**x**
Manitoba			
Total population	**751**	**5**	**61**
2 years	**9**	**...**	**x**
Motor vehicle and heavy equipment, total	**9**	**...**	**x**
3 years	**38**	**3**	**50**
Food and service trades, total	**x**	**...**	**x**
Industrial and related mechanical trades, total	**x**	**...**	**x**
Metal fabricating trades, total	**7**	**...**	**x**
Motor vehicle and heavy equipment, total	**x**	**...**	**x**
4 years	**633**	**5**	**62**
Building construction, total	**112**	**5**	**35**
Carpenter	87	5	38
Other	25	4	24
Electrical, electronics and related trades, total	**133**	**5**	**70**
Construction electrician	123	5	68
Other	10	5	90
Industrial and related mechanical trades, total	**42**	**5**	**88**
Industrial mechanic-millwright	25	5	92
Other	17	5	82
Metal fabricating trades, total	**55**	**5**	**73**
Machinist	25	4	68
Other	30	5	77
Motor vehicle and heavy equipment, total	**279**	**5**	**66**
Aircraft maintenance technician	26	6	35
Automotive service technician	111	5	62
Heavy duty equipment mechanic technician	117	5	75
Motor vehicle body repairer	25	5	68
Other trades, total	**x**	**...**	**x**
5 years	**71**	**5**	**56**

Table A.2.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1995 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Metal fabricating trades, total	**71**	**5**	**56**
Plumber	60	5	55
Other	11	6	64
Alberta			
Total population	**7,305**	**4**	**56**
1 year	**347**	**3**	**32**
Metal fabricating trades, total	**141**	**3**	**16**
Ironworker	141	3	16
Motor vehicle and heavy equipment, total	**206**	**3**	**43**
Crane and hoist operator	206	3	43
2 years	**839**	**3**	**71**
Building construction, total	**31**	**3**	**48**
Floor covering installer	31	3	48
Food and service trades, total	**738**	**3**	**72**
Hairdresser / hairstylist	738	3	72
Metal fabricating trades, total	**x**	**...**	**x**
Motor vehicle and heavy equipment, total	**68**	**4**	**74**
Agricultural equipment technician	48	5	67
Other	20	3	90
Other trades, total	**x**	**...**	**x**
3 years	**2,237**	**4**	**56**
Building construction, total	**133**	**4**	**44**
Cement finisher	33	3	45
Painter and decorator	37	4	51
Roofer	29	4	38
Other	34	5	41
Electrical, electronics and related trades, total	**24**	**4**	**58**
Other	24	4	58
Food and service trades, total	**479**	**4**	**44**
Baker	90	4	51
Cook	389	4	42
Industrial and related mechanical trades, total	**20**	**5**	**60**
Other	20	5	60
Metal fabricating trades, total	**1,179**	**4**	**63**
Gasfitter	60	3	65
Ironworker	16	5	x
Steel fabricator	41	4	49
Welder	1,062	4	64
Motor vehicle and heavy equipment, total	**402**	**4**	**50**
Crane and hoist operator	39	4	38
Motor vehicle body repairer	158	5	48
Partsperson (industrial engine and equipment)	189	4	54
Other	16	4	50
4 years	**3,882**	**5**	**56**

Table A.2.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1995 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Building construction, total	**555**	**5**	**41**
Cabinet maker	109	5	35
Carpenter	383	5	42
Insulator installer heat and frost	39	5	54
Other	24	5	42
Electrical, electronics and related trades, total	**689**	**5**	**58**
Construction electrician	574	5	60
Electrician (communications)	32	7	25
Powerline technician	38	5	71
Other	45	4	51
Food and service trades, total	**28**	**5**	**39**
Locksmith	28	5	39
Industrial and related mechanical trades, total	**582**	**5**	**62**
Boilermaker	30	6	63
Industrial instrument mechanic	169	5	51
Industrial mechanic-millwright	277	5	66
Refrigeration and air conditioning mechanic	92	6	66
Other	14	4	79
Metal fabricating trades, total	**743**	**5**	**55**
Machinist	172	5	63
Plumber	206	6	54
Sheet metal worker	117	6	46
Steamfitter-pipefitter	229	5	51
Other	19	5	74
Motor vehicle and heavy equipment, total	**1,173**	**5**	**63**
Automotive service technician	561	5	62
Heavy duty equipment mechanic technician	582	5	65
Motorcycle repair mechanic	30	5	57
Other trades, total	**112**	**5**	**29**
Landscape gardener	94	5	28
Other	18	4	33
British Columbia			
Total population	**5,181**	**5**	**54**
1 year	**65**	**2**	**94**
Building construction, total	**32**	**2**	**88**
Sawfitter / benchman (lumber manufacturing)	32	2	88
Industrial and related mechanical trades, total	**27**	**2**	**100**
Sawfiler	27	2	100
Other trades, total	**6**	**2**	**100**
Other	6	2	100
2 years	**458**	**3**	**52**
Building construction, total	**29**	**3**	**97**
Sawfitter / benchman (lumber manufacturing)	29	3	97
Electrical, electronics and related trades, total	**11**	**3**	**64**
Other	11	3	64
Food and service trades, total	**219**	**3**	**31**
Barber	26	3	42
Hairdresser / hairstylist	170	3	25
Other	23	3	61

Table A.2.2.6 (continued)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1995 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Metal fabricating trades, total	**75**	**3**	**63**
Gasfitter (domestic and commercial)	63	3	67
Other	12	...	x
Motor vehicle and heavy equipment, total	**111**	**3**	**70**
Motor vehicle painter	70	3	69
Motor vehicle steering suspension and brakes mechanic	27	2	63
Other	14	2	93
Other trades, total	**13**	**3**	**92**
Other	13	3	92
3 years	**911**	**4**	**44**
Building construction, total	**300**	**4**	**37**
Floor covering installer	35	4	34
Painter and decorator	102	4	37
Roofer	105	4	38
Other	58	4	38
Electrical, electronics and related trades, total	x	...	x
Food and service trades, total	**393**	**4**	**42**
Baker	50	4	46
Cook	315	4	40
Meat cutter	28	4	57
Industrial and related mechanical trades, total	**19**	**7**	**68**
Other	19	7	68
Metal fabricating trades, total	**68**	**4**	**54**
Ironworker	34	6	44
Welder	34	4	65
Motor vehicle and heavy equipment, total	**119**	**4**	**55**
Partsperson (industrial engine and equipment)	34	4	68
Other	85	4	49
Other trades, total	**10**	**4**	**90**
Other	10	4	90
4 years	**3,624**	**5**	**55**
Building construction, total	**987**	**5**	**36**
Bricklayer	30	5	33
Carpenter	692	5	40
Glazier	39	5	44
Joiner	88	5	41
Plasterer	114	5	16
Other	24	...	x
Electrical, electronics and related trades, total	**728**	**5**	**60**
Construction electrician	686	5	59
Other	42	5	74
Food and service trades, total	**15**	**4**	**80**
Other	15	4	80
Industrial and related mechanical trades, total	**162**	**5**	**78**
Industrial mechanic-millwright	162	5	78

Table A.2.2.6 (concluded)

Distribution of completers and median time spent in program, by duration of program, main trade[1] and province, 1995 cohort

Program duration in provinces	Total number of registered apprentices	Median duration of program for completers	Completers
	number	years	percent
Metal fabricating trades, total	**755**	**5**	**59**
Machinist	92	5	74
Plumber	338	5	58
Sheet metal worker	122	5	52
Sprinkler system installer	67	5	52
Steamfitter-pipefitter	29	5	76
Steel fabricator	89	5	55
Other	18	4	44
Motor vehicle and heavy equipment, total	**905**	**5**	**64**
Automotive service technician	430	5	66
Heavy duty equipment mechanic technician	165	5	72
Motor vehicle body repairer	114	5	55
Motor vehicle steering suspension and brakes mechanic	x	...	x
Truck and transport mechanic	121	5	63
Other	x	...	x
Other trades, total	**72**	**5**	**57**
Landscape gardener	34	5	56
Other	38	5	58
5 years	**123**	**5**	**63**
Industrial and related mechanical trades, total	**98**	**5**	**60**
Refrigeration and air conditioning mechanic	81	5	60
Other	17	5	59
Metal fabricating trades, total	**7**	**5**	**100**
Other	7	5	100
Motor vehicle and heavy equipment, total	**x**	**...**	**x**
Other trades, total	**14**	**5**	**57**
Other	14	5	57

... not applicable

x suppressed to meet the confidentiality requirements of the *Statistics Act*

1. A trade can be in more than one program duration, given provincial duration.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.2.7

Characteristics of completers registered in a Red Seal trade, by age group at registration and province, 1995 cohort

Province and age group	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
All provinces					
All age groups	**25,097**	**52**	**94**	**96**	**37**
15 to 19 years	2,575	61	91	94	48
20 to 24 years	9,256	58	93	95	39
25 to 29 years	5,406	53	93	95	34
30 to 39 years	5,742	47	96	97	31
40 years and over	1,948	35	97	98	28
New Brunswick					
All age groups	**624**	**52**	**92**	**94**	**45**
15 to 19 years	33	67	86	95	59
20 to 24 years	281	54	92	93	44
25 to 29 years	152	53	90	93	41
30 to 39 years	115	47	93	94	52
40 years and over	31	32	100	100	20
Quebec (CCQ)					
All age groups	**2,620**	**31**	**90**	**98**	**65**
15 to 19 years	162	51	88	93	82
20 to 24 years	877	45	89	99	62
25 to 29 years	446	36	92	97	66
30 to 39 years	697	19	89	99	64
40 years and over	438	9	90	100	54
Ontario					
All age groups	**9,942**	**54**	**95**	**96**	**38**
15 to 19 years	1,077	59	93	96	47
20 to 24 years	3,842	58	95	96	41
25 to 29 years	2,134	53	94	96	36
30 to 39 years	2,140	49	97	98	34
40 years and over	748	40	98	98	25
Manitoba					
All age groups	**712**	**63**	**98**	**90**	**22**
15 to 19 years	71	68	92	94	35
20 to 24 years	284	65	97	86	24
25 to 29 years	153	67	99	94	23
30 to 39 years	157	55	100	90	15
40 years and over	32	59	100	95	11
Alberta					
All age groups	**6,739**	**57**	**90**	**94**	**38**
15 to 19 years	744	65	87	90	52
20 to 24 years	2,380	62	89	94	42
25 to 29 years	1,417	57	88	94	33
30 to 39 years	1,601	52	94	97	30
40 years and over	467	46	96	97	33
British Columbia					
All age groups	**4,460**	**53**	**98**	**98**	**23**
15 to 19 years	488	58	96	97	35
20 to 24 years	1,592	57	97	98	23
25 to 29 years	1,104	51	98	97	22
30 to 39 years	1,032	51	98	98	19
40 years and over	232	42	99	98	23

Note: The age group totals may not sum up to the total population because of unknown age.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.2.8
Characteristics of completers registered in a Red Seal trade, by main trade and province, 1995 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
All provinces					
Total population	**25,097**	**52**	**94**	**96**	**37**
Building construction, total	**3,692**	**34**	**93**	**95**	**47**
Bricklayer	151	23	91	97	77
Cabinet maker	109	35	100	97	42
Carpenter	2,197	34	93	95	44
Cement finisher	79	35	89	93	46
Floor covering installer	139	33	87	93	61
Glazier	76	28	95	100	29
Insulator installer heat and frost	39	54	100	100	24
Joiner	88	41	97	97	25
Lather (interior systems mechanic)	26	27	43	100	71
Painter and decorator	296	33	96	98	61
Roofer	236	40	92	95	53
Tile setter	34	29	100	90	100
Other	222	33	96	96	49
Electrical, electronics and related trades, total	**3,827**	**51**	**93**	**97**	**38**
Appliance service technician-serviceman	73	18	100	85	31
Construction electrician	2,608	62	93	97	42
Industrial electrician	953	23	95	96	16
Powerline technician	69	71	92	90	35
Other	124	54	96	88	21
Food and service trades, total	**4,209**	**54**	**99**	**99**	**41**
Baker	186	44	100	94	27
Cook	1,561	37	96	98	24
Hairdresser / hairstylist	2,452	66	100	100	48
Other	10	x	x	x	x
Industrial and related mechanical trades, total	**1,962**	**63**	**92**	**97**	**31**
Boilermaker	30	63	84	84	63
Industrial instrument mechanic	169	51	76	92	30
Industrial mechanic-millwright	1,094	63	93	97	26
Refrigeration and air conditioning mechanic	519	67	95	98	38
Other	150	63	98	98	43
Metal fabricating trades, total	**5,722**	**55**	**92**	**94**	**32**
Automatic machinist	26	31	100	63	38
Ironworker	251	37	90	98	64
Machinist	843	56	90	93	21
Plumber	961	58	95	92	31
Sheet metal worker	748	54	93	94	37
Sprinkler system installer	151	56	99	98	48
Steamfitter-pipefitter	821	38	93	91	46
Steel fabricator	130	53	93	96	23
Tool and die maker	485	63	97	95	20
Welder	1,189	62	89	97	33
Other	117	68	89	96	33
Motor vehicle and heavy equipment, total	**5,685**	**58**	**93**	**94**	**35**
Agricultural equipment technician	91	63	88	54	63
Automotive service technician	2,937	59	92	95	28
Heavy duty equipment mechanic technician	1,027	66	96	92	25
Mobile crane operator	102	58	90	98	58
Motor vehicle body repairer	576	41	91	92	48
Motor vehicle painter	98	57	95	98	71
Motorcycle repair mechanic	58	47	78	81	48
Partsperson (industrial engine and equipment)	223	57	97	95	28
Transport trailer technician	64	47	80	90	100
Truck and transport mechanic	414	64	94	97	70
Other	95	43	93	98	34

Table A.2.2.8 (continued)

Characteristics of completers registered in a Red Seal trade, by main trade and province, 1995 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
New Brunswick					
Total population	**624**	**52**	**92**	**94**	**45**
Building construction, total	**105**	**33**	**97**	**97**	**71**
Carpenter	69	28	95	100	58
Other	36	44	100	94	88
Electrical, electronics and related trades, total	**115**	**56**	**86**	**92**	**34**
Construction electrician	82	60	88	92	29
Industrial electrician	27	56	80	93	53
Other	6	0	0	0	0
Food and service trades, total	**x**	**x**	**x**	**x**	**x**
Cook	60	43	96	100	46
Industrial and related mechanical trades, total	**80**	**64**	**98**	**94**	**55**
Industrial mechanic-millwright	38	68	100	96	62
Other	42	60	96	92	48
Metal fabricating trades, total	**113**	**53**	**87**	**90**	**47**
Machinist	28	61	94	94	24
Plumber	25	36	89	78	67
Welder	26	50	85	92	54
Other	34	62	81	90	52
Motor vehicle and heavy equipment, total	**151**	**59**	**92**	**94**	**34**
Automotive service technician	70	63	93	91	34
Motor vehicle body repairer	26	35	100	100	22
Truck and transport mechanic	42	69	93	97	31
Other	13	54	71	100	57
Quebec (CCQ)					
Total population	**2,620**	**31**	**90**	**98**	**65**
Building construction, total	**867**	**34**	**82**	**97**	**89**
Bricklayer	51	39	95	100	100
Carpenter	490	32	82	97	83
Cement finisher	46	28	77	85	100
Floor covering installer	28	46	62	100	92
Lather (interior systems mechanic)	26	27	43	100	71
Painter and decorator	111	34	89	95	97
Roofer	70	47	79	100	100
Tile setter	34	29	100	90	100
Other	11	x	x	x	x
Electrical, electronics and related trades, total	**984**	**27**	**94**	**99**	**42**
Construction electrician	305	53	92	99	69
Industrial electrician	679	15	98	100	0
Industrial and related mechanical trades, total	**156**	**51**	**95**	**99**	**51**
Industrial mechanic-millwright	35	26	100	100	67
Refrigeration and air conditioning mechanic	103	65	94	99	48
Other	18	x	x	x	x
Metal fabricating trades, total	**598**	**28**	**92**	**99**	**66**
Sheet metal worker	83	43	83	100	75
Sprinkler system installer	51	55	100	100	61
Steamfitter-pipefitter	453	22	93	98	62
Other	11	x	x	x	x
Motor vehicle and heavy equipment, total	**15**	**x**	**x**	**x**	**x**
Other	15	x	x	x	x

Table A.2.2.8 (continued)

Characteristics of completers registered in a Red Seal trade, by main trade and province, 1995 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
Ontario					
Total population	**9,942**	**54**	**95**	**96**	**38**
Building construction, total	**758**	**20**	**92**	**88**	**57**
Bricklayer	70	x	x	x	x
Carpenter	476	23	94	87	63
Floor covering installer	45	13	83	100	17
Glazier	37	x	x	x	x
Painter and decorator	46	x	x	x	x
Roofer	32	34	91	73	36
Other	52	27	93	100	29
Electrical, electronics and related trades, total	**1,212**	**59**	**96**	**96**	**41**
Appliance service technician-serviceman	73	18	100	85	31
Construction electrician	838	68	96	97	44
Industrial electrician	247	42	94	93	25
Powerline technician	31	71	95	100	32
Other	23	43	100	80	20
Food and service trades, total	**2,369**	**55**	**99**	**100**	**41**
Baker	46	28	100	92	23
Cook	769	31	97	98	26
Hairdresser / hairstylist	1,544	68	100	100	45
Other	10	x	x	x	x
Industrial and related mechanical trades, total	**840**	**63**	**95**	**98**	**30**
Industrial mechanic-millwright	557	58	93	97	24
Refrigeration and air conditioning mechanic	243	71	98	98	40
Other	40	78	100	100	39
Metal fabricating trades, total	**2,065**	**58**	**95**	**94**	**29**
Automatic machinist	26	31	100	63	38
Ironworker	60	87	100	100	44
Machinist	526	49	90	90	23
Plumber	332	61	97	99	34
Sheet metal worker	426	58	95	96	30
Sprinkler system installer	33	64	95	90	81
Steamfitter-pipefitter	110	68	97	89	49
Tool and die maker	485	63	97	95	20
Welder	67	36	92	88	25
Motor vehicle and heavy equipment, total	**2,698**	**53**	**92**	**95**	**44**
Agricultural equipment technician	43	58	92	92	36
Automotive service technician	1,765	56	92	95	30
Heavy duty equipment mechanic technician	159	55	97	87	43
Mobile crane operator	102	58	90	98	58
Motor vehicle body repairer	253	29	92	95	58
Motor vehicle painter	x	x	x	x	x
Motorcycle repair mechanic	28	36	80	90	80
Transport trailer technician	64	47	80	90	100
Truck and transport mechanic	251	63	91	98	100
Other	x	x	x	x	x
Manitoba					
Total population	**712**	**63**	**98**	**90**	**22**
Building construction, total	**112**	**35**	**100**	**97**	**23**
Carpenter	87	38	100	97	21
Other	25	24	100	100	33
Electrical, electronics and related trades, total	**132**	**70**	**97**	**97**	**43**
Construction electrician	123	68	96	98	45
Other	9	89	100	88	25

Table A.2.2.8 (continued)

Characteristics of completers registered in a Red Seal trade, by main trade and province, 1995 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
Food and service trades, total	x	x	x	x	x
Industrial and related mechanical trades, total	**44**	**89**	**100**	**100**	**15**
Industrial mechanic-millwright	25	92	100	100	4
Other	19	84	100	100	31
Metal fabricating trades, total	**133**	**63**	**96**	**99**	**14**
Machinist	25	68	100	100	18
Plumber	60	55	100	100	6
Other	48	71	91	97	21
Motor vehicle and heavy equipment, total	**263**	**68**	**97**	**79**	**17**
Automotive service technician	111	62	94	100	23
Heavy duty equipment mechanic technician	117	75	100	58	8
Motor vehicle body repairer	25	68	94	94	18
Other	10	x	x	x	x
Alberta					
Total population	**6,739**	**57**	**90**	**94**	**38**
Building construction, total	**716**	**42**	**95**	**94**	**34**
Cabinet maker	109	35	100	97	42
Carpenter	383	42	91	93	35
Cement finisher	33	45	100	100	0
Floor covering installer	31	48	100	87	73
Insulator installer heat and frost	39	54	100	100	24
Painter and decorator	37	51	100	100	11
Roofer	29	38	100	91	18
Other	55	44	92	92	46
Electrical, electronics and related trades, total	**667**	**60**	**84**	**95**	**41**
Construction electrician	574	60	83	96	43
Powerline technician	38	71	89	81	37
Other	55	49	89	89	22
Food and service trades, total	**1,217**	**61**	**98**	**99**	**45**
Baker	90	51	100	93	33
Cook	389	42	91	96	25
Hairdresser / hairstylist	738	72	99	100	52
Industrial and related mechanical trades, total	**568**	**61**	**82**	**95**	**36**
Boilermaker	30	63	84	84	63
Industrial instrument mechanic	169	51	76	92	30
Industrial mechanic-millwright	277	66	85	96	30
Refrigeration and air conditioning mechanic	92	66	82	98	52
Metal fabricating trades, total	**2,003**	**57**	**88**	**92**	**37**
Ironworker	157	17	70	93	96
Machinist	172	63	86	97	24
Plumber	206	54	86	69	52
Sheet metal worker	117	46	87	80	63
Steamfitter-pipefitter	229	51	89	85	33
Steel fabricator	41	49	85	90	25
Welder	1,062	64	89	98	34
Other	19	74	86	100	21
Motor vehicle and heavy equipment, total	**1,568**	**61**	**91**	**93**	**34**
Agricultural equipment technician	48	67	84	25	84
Automotive service technician	561	62	89	94	33
Heavy duty equipment mechanic technician	582	65	93	98	27
Motor vehicle body repairer	158	48	88	91	67
Motorcycle repair mechanic	30	57	76	76	29
Partsperson (industrial engine and equipment)	189	54	97	94	30

Table A.2.2.8 (concluded)

Characteristics of completers registered in a Red Seal trade, by main trade and province, 1995 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
British Columbia					
Total population	**4,460**	**53**	**98**	**98**	**23**
Building construction, total	**1,134**	**39**	**99**	**97**	**26**
Bricklayer	30	33	100	100	20
Carpenter	692	40	99	97	22
Floor covering installer	35	34	100	92	33
Glazier	39	44	94	100	24
Joiner	88	41	97	97	25
Painter and decorator	102	37	100	100	47
Roofer	105	38	100	98	28
Other	43	23	100	100	30
Electrical, electronics and related trades, total	**717**	**60**	**98**	**98**	**28**
Construction electrician	686	59	98	98	28
Other	31	71	100	91	18
Food and service trades, total	**535**	**36**	**99**	**99**	**29**
Baker	50	46	100	96	17
Cook	315	40	98	100	13
Hairdresser / hairstylist	170	25	100	100	81
Industrial and related mechanical trades, total	**274**	**71**	**99**	**98**	**17**
Industrial mechanic-millwright	162	78	99	98	17
Refrigeration and air conditioning mechanic	81	60	100	98	4
Other	31	61	95	100	47
Metal fabricating trades, total	**810**	**59**	**96**	**98**	**19**
Ironworker	34	44	93	100	73
Machinist	92	74	94	96	6
Plumber	338	58	98	99	18
Sheet metal worker	122	52	94	95	22
Sprinkler system installer	67	52	100	100	17
Steamfitter-pipefitter	29	76	95	95	27
Steel fabricator	89	55	96	98	22
Welder	x	x	x	x	x
Other	x	x	x	x	x
Motor vehicle and heavy equipment, total	**990**	**65**	**97**	**97**	**22**
Automotive service technician	430	66	97	97	15
Heavy duty equipment mechanic technician	169	72	99	99	21
Motor vehicle body repairer	114	55	90	87	25
Motor vehicle painter	70	69	96	100	67
Partsperson (industrial engine and equipment)	34	68	96	100	17
Truck and transport mechanic	121	63	99	95	22
Other	52	50	96	96	19

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Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.2.9

Characteristics of completers not registered in a Red Seal trade, by age group at registration and province, 1995 cohort

Province and age group	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
All provinces					
All age groups	**4,404**	**40**	**90**	**93**	**50**
15 to 19 years	277	40	91	85	62
20 to 24 years	1,094	41	90	92	50
25 to 29 years	912	39	90	93	51
30 to 39 years	1,314	39	89	94	49
40 years and over	793	39	92	97	49
New Brunswick					
All age groups	**129**	**69**	**93**	**96**	**45**
15 to 19 years	x	x	x	x	x
20 to 24 years	35	57	85	100	30
25 to 29 years	31	65	90	85	50
30 to 39 years	32	69	95	95	32
40 years and over	x	x	x	x	x
Quebec (CCQ)					
All age groups	**829**	**27**	**83**	**95**	**74**
15 to 19 years	47	23	82	91	100
20 to 24 years	161	42	79	99	69
25 to 29 years	168	33	84	93	78
30 to 39 years	254	24	88	93	70
40 years and over	199	17	82	94	74
Ontario					
All age groups	**2,120**	**36**	**93**	**93**	**45**
15 to 19 years	158	44	94	83	55
20 to 24 years	603	37	93	91	50
25 to 29 years	430	33	92	94	50
30 to 39 years	596	35	92	94	43
40 years and over	333	35	97	99	29
Manitoba					
All age groups	**39**	**33**	**100**	**100**	**62**
15 to 19 years	9	x	x	x	x
20 to 24 years	11	x	x	x	x
25 to 29 years	7	x	x	x	x
30 to 39 years	9	x	x	x	x
40 years and over	0	0	0	0	0
Alberta					
All age groups	**566**	**45**	**91**	**87**	**50**
15 to 19 years	13	46	100	83	83
20 to 24 years	111	40	86	75	52
25 to 29 years	119	44	87	85	40
30 to 39 years	204	47	91	92	49
40 years and over	112	47	96	92	55
British Columbia					
All age groups	**721**	**56**	**86**	**95**	**48**
15 to 19 years	46	43	80	85	55
20 to 24 years	173	50	91	94	40
25 to 29 years	157	51	91	99	39
30 to 39 years	219	60	82	94	51
40 years and over	123	72	86	97	60

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: The age group totals may not sum up to the total population because of unknown age.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.2.10

Characteristics of completers not registered in a Red Seal trade, by main trade and province, 1995 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
All provinces					
Total population	**4,404**	**40**	**90**	**93**	**50**
Building construction, total	**841**	**34**	**86**	**96**	**54**
Building service technician	279	40	90	99	29
Drywall mechanic	89	10	100	89	100
Native residential construction worker	76	41	81	100	100
Plasterer	181	19	91	100	65
Sawfitter / benchman (lumber manufacturing)	61	92	70	89	88
Stone mason	32	50	88	100	0
Woodworker	59	14	100	75	50
Other	64	27	88	100	24
Electrical, electronics and related trades, total	**358**	**39**	**89**	**94**	**48**
Electrician (communications)	32	25	100	75	63
Security alarms installer	236	36	87	96	52
Other	90	53	90	94	38
Food and service trades, total	**305**	**43**	**94**	**98**	**50**
Assistant cook	69	16	91	91	55
Barber	60	53	100	100	66
Locksmith	28	39	82	100	18
Meat cutter	61	48	86	97	38
Other	87	54	98	100	53
Industrial and related mechanical trades, total	**366**	**60**	**90**	**95**	**50**
Construction millwright	69	65	96	96	67
Fitter assembler	31	x	x	x	x
Industrial plant operator	108	62	100	94	39
Sawfiler	60	68	61	95	78
Other	98	66	94	95	29
Metal fabricating trades, total	**644**	**48**	**94**	**90**	**38**
Gasfitter	61	64	92	100	8
Gasfitter (domestic and commercial)	63	67	86	88	88
Ironworker	45	38	100	100	82
Moulder and engraver	316	53	96	92	17
Reinforcing steel erector	32	x	x	x	x
Steel and plate worker	60	28	94	53	88
Other	67	43	90	90	69
Motor vehicle and heavy equipment, total	**1,233**	**36**	**87**	**89**	**64**
Air-cooled and marine engine mechanic (small engines)	51	45	78	96	52
Aircraft maintenance technician	26	35	100	100	78
Crane and hoist operator	448	25	85	76	85
Heavy duty equipment operator	103	31	69	81	75
Motor vehicle steering suspension and brakes mechanic	158	51	81	93	42
Motor vehicle transmission mechanic	35	34	100	92	100
Power shovel operator	175	33	84	97	98
Small equipment mechanic	55	31	100	82	100
Other	182	57	96	98	29
Other trades, total	**657**	**33**	**96**	**94**	**37**
Arborist (tree cutter)	52	37	95	95	47
Child and youth worker	38	42	100	94	6
Draftsman	35	31	100	91	27
Horticulture	37	30	82	73	82
Landscape gardener	311	20	97	95	35
Pool and spa installation and service technician	25	x	x	x	x
Other	159	58	97	97	36

Table A.2.2.10 (continued)

Characteristics of completers not registered in a Red Seal trade, by main trade and province, 1995 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
New Brunswick					
Total population	**129**	**69**	**93**	**96**	**45**
Electrical, electronics and related trades, total	**x**	**x**	**x**	**x**	**x**
Food and service trades, total	**x**	**x**	**x**	**x**	**x**
Barber	34	62	100	100	52
Other	x	x	x	x	x
Industrial and related mechanical trades, total	**26**	**62**	**94**	**88**	**44**
Other	26	62	94	88	44
Motor vehicle and heavy equipment, total	**36**	**61**	**82**	**91**	**27**
Motor vehicle steering suspension and brakes mechanic	30	63	79	89	32
Other	6	x	x	x	x
Other trades, total	**x**	**x**	**x**	**x**	**x**
Quebec (CCQ)					
Total population	**829**	**27**	**83**	**95**	**74**
Building construction, total	**42**	**33**	**79**	**100**	**93**
Plasterer	42	33	79	100	93
Electrical, electronics and related trades, total	**236**	**36**	**87**	**96**	**52**
Security alarms installer	236	36	87	96	52
Industrial and related mechanical trades, total	**9**	**78**	**100**	**100**	**14**
Other	9	78	100	100	14
Metal fabricating trades, total	**61**	**38**	**91**	**96**	**87**
Ironworker	45	38	100	100	82
Other	16	38	67	83	100
Motor vehicle and heavy equipment, total	**481**	**20**	**78**	**92**	**91**
Crane and hoist operator	203	4	63	100	100
Heavy duty equipment operator	103	31	69	81	75
Power shovel operator	175	33	84	97	98
Ontario					
Total population	**2,120**	**36**	**93**	**93**	**45**
Building construction, total	**582**	**31**	**89**	**98**	**44**
Building service technician	279	40	90	99	29
Drywall mechanic	89	10	100	89	100
Native residential construction worker	76	41	81	100	100
Plasterer	25	x	x	x	x
Stone mason	32	50	88	100	0
Woodworker	59	14	100	75	50
Other	22	x	x	x	x
Electrical, electronics and related trades, total	**46**	**37**	**94**	**100**	**41**
Other	46	37	94	100	41
Food and service trades, total	**139**	**24**	**88**	**94**	**70**
Assistant cook	69	16	91	91	55
Meat cutter	33	39	77	92	77
Other	37	24	100	100	78

Table A.2.2.10 (continued)

Characteristics of completers not registered in a Red Seal trade, by main trade and province, 1995 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
Industrial and related mechanical trades, total	**265**	**54**	**97**	**95**	**48**
Construction millwright	69	65	96	96	67
Fitter assembler	31	x	x	x	x
Industrial plant operator	108	62	100	94	39
Sawfiler	33	42	100	93	43
Other	24	63	87	100	33
Metal fabricating trades, total	**427**	**45**	**96**	**88**	**27**
Moulder and engraver	316	53	96	92	17
Reinforcing steel erector	32	x	x	x	x
Steel and plate worker	60	28	94	53	88
Other	19	42	100	88	88
Motor vehicle and heavy equipment, total	**260**	**40**	**88**	**92**	**66**
Air-cooled and marine engine mechanic (small engines)	51	45	78	96	52
Motor vehicle steering suspension and brakes mechanic	100	44	86	93	45
Motor vehicle transmission mechanic	35	34	100	92	100
Small equipment mechanic	55	31	100	82	100
Other	19	42	88	100	100
Other trades, total	**401**	**22**	**96**	**90**	**47**
Arborist (tree cutter)	52	37	95	95	47
Child and youth worker	38	42	100	94	6
Draftsman	35	31	100	91	27
Horticulture	37	30	82	73	82
Landscape gardener	183	9	100	88	76
Pool and spa installation and service technician	25	x	x	x	x
Other	31	35	100	100	36
Manitoba					
Total population	**39**	**33**	**100**	**100**	**62**
Electrical, electronics and related trades, total	**x**	**x**	**x**	**x**	**x**
Motor vehicle and heavy equipment, total	**26**	**35**	**100**	**100**	**78**
Aircraft maintenance technician	26	35	100	100	78
Other trades, total	**x**	**x**	**x**	**x**	**x**
Alberta					
Total population	**566**	**45**	**91**	**87**	**50**
Building construction, total	**x**	**x**	**x**	**x**	**x**
Electrical, electronics and related trades, total	**46**	**39**	**83**	**83**	**50**
Electrician (communications)	32	25	100	75	63
Other	14	71	70	90	40
Food and service trades, total	**28**	**39**	**82**	**100**	**18**
Locksmith	28	39	82	100	18
Industrial and related mechanical trades, total	**34**	**68**	**96**	**96**	**26**
Other	34	68	96	96	26
Metal fabricating trades, total	**61**	**64**	**92**	**100**	**8**
Gasfitter	61	64	92	100	8
Motor vehicle and heavy equipment, total	**281**	**46**	**88**	**78**	**78**
Crane and hoist operator	245	42	87	74	84
Other	36	72	96	96	54
Other trades, total	**113**	**29**	**100**	**97**	**18**
Landscape gardener	94	28	100	96	19
Other	19	37	100	100	14

Table A.2.2.10 (concluded)

Characteristics of completers not registered in a Red Seal trade, by main trade and province, 1995 cohort

Province and main trade	Total number of registered apprentices	Completers	Completion with no interruption	Completion in same trade	Proportion of completers who took 50% or more beyond nominal duration of program
	number	percent			
British Columbia					
Total population	**721**	**56**	**86**	**95**	**48**
Building construction, total	**214**	**42**	**80**	**93**	**67**
Plasterer	114	16	100	100	39
Sawfitter / benchman (lumber manufacturing)	61	92	70	89	88
Other	39	41	94	100	25
Electrical, electronics and related trades, total	**24**	**67**	**94**	**88**	**44**
Other	24	67	94	88	44
Food and service trades, total	**92**	**58**	**98**	**100**	**43**
Barber	26	42	100	100	91
Meat cutter	28	57	94	100	6
Other	38	68	100	100	46
Industrial and related mechanical trades, total	**32**	**97**	**48**	**97**	**84**
Sawfiler	x	x	x	x	x
Other	x	x	x	x	x
Metal fabricating trades, total	**95**	**60**	**88**	**89**	**77**
Gasfitter (domestic and commercial)	63	67	86	88	88
Other	32	47	93	93	47
Motor vehicle and heavy equipment, total	**149**	**56**	**92**	**98**	**19**
Motor vehicle steering suspension and brakes mechanic	28	64	72	94	44
Other	121	55	97	98	12
Other trades, total	**115**	**66**	**93**	**96**	**28**
Landscape gardener	34	56	89	100	21
Other	81	70	95	95	30

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.3.1

Distribution and characteristics of discontinuers by age group at registration and province, 1995 cohort

Province and age group	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	number	years	percent	
All provinces				
All age groups	**29,501**	**4**	**42**	**36**
15 to 19 years	2,852	4	34	34
20 to 24 years	10,350	4	37	35
25 to 29 years	6,318	4	43	34
30 to 39 years	7,056	4	47	39
40 years and over	2,741	3	53	41
New Brunswick				
All age groups	**753**	**5**	**42**	**45**
15 to 19 years	37	4	27	40
20 to 24 years	316	5	42	42
25 to 29 years	183	4	44	44
30 to 39 years	147	5	44	55
40 years and over	57	5	42	46
Quebec (CCQ)				
All age groups	**3,449**	**3**	**62**	**41**
15 to 19 years	209	4	47	54
20 to 24 years	1,038	4	50	36
25 to 29 years	614	3	60	36
30 to 39 years	951	3	70	44
40 years and over	637	3	78	42
Ontario				
All age groups	**12,062**	**4**	**35**	**47**
15 to 19 years	1,235	4	29	44
20 to 24 years	4,445	4	32	46
25 to 29 years	2,564	4	37	46
30 to 39 years	2,736	4	40	51
40 years and over	1,081	4	42	50
Manitoba				
All age groups	**751**	**4**	**35**	**40**
15 to 19 years	80	4	36	21
20 to 24 years	295	4	32	39
25 to 29 years	160	4	31	38
30 to 39 years	166	5	40	45
40 years and over	32	4	41	46
Alberta				
All age groups	**7,305**	**4**	**41**	**37**
15 to 19 years	757	4	33	36
20 to 24 years	2,491	4	36	36
25 to 29 years	1,536	4	41	38
30 to 39 years	1,805	4	46	38
40 years and over	579	4	52	43
British Columbia				
All age groups	**5,181**	**2**	**46**	**9**
15 to 19 years	534	3	43	9
20 to 24 years	1,765	2	44	9
25 to 29 years	1,261	2	49	9
30 to 39 years	1,251	2	47	10
40 years and over	355	2	48	11

Note: The age group total may not sum up to the total population because of unknown age.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.3.2
Distribution and characteristics of discontinuers by main trade and province, 1995 cohort

Province and main trade	Nominal duration of program in jurisdiction	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	years	number	years	percent	
All provinces					
Total population	...	**29,501**	**4**	**42**	**36**
Building construction, total	...	**4,533**	**3**	**56**	**32**
Bricklayer	2 to 4	151	4	52	44
Building service technician	3	279	5	37	57
Cabinet maker	4	109	4	64	30
Carpenter	3 to 4	2,197	3	57	24
Cement finisher	2 to 3	79	3	56	45
Drywall mechanic	2	89	6	44	74
Floor covering installer	1 to 3	139	4	66	54
Glazier	4	76	5	62	45
Insulator installer heat and frost	4	39	3	41	13
Joiner	4	88	3	59	2
Lather (interior systems mechanic)	3	26	3	54	29
Native residential construction worker	2	76	4	38	90
Painter and decorator	2 to 3	296	3	60	34
Plasterer	2 to 4	181	2	75	21
Roofer	1 to 3	236	3	56	39
Sawfitter / benchman (lumber manufacturing)	1 to 2	61	2	8	40
Stone mason	3	32	5	47	73
Tile setter	3	34	2	56	21
Woodworker	4	59	5	59	40
Other	...	286	4	64	42
Electrical, electronics and related trades, total	...	**4,185**	**4**	**43**	**25**
Appliance service technician-serviceman	3	73	3	75	4
Construction electrician	4 to 5	2,608	4	33	21
Electrician (communications)	4	32	6	69	64
Industrial electrician	4 to 5	953	4	70	36
Powerline technician	4	69	5	25	12
Security alarms installer	3	236	2	55	0
Other	...	214	3	39	37
Food and service trades, total	...	**4,514**	**4**	**40**	**51**
Assistant cook	1	69	4	72	90
Baker	3	186	3	54	17
Barber	2	60	2	47	39
Cook	3	1,561	4	55	36
Hairdresser / hairstylist	2	2,452	3	28	72
Locksmith	4	28	5	57	44
Meat cutter	2 to 3	61	3	41	48
Other	...	97	5	46	67
Industrial and related mechanical trades, total	...	**2,328**	**4**	**30**	**28**
Boilermaker	4	30	3	33	0
Construction millwright	4	69	4	25	18
Fitter assembler	3 to 4	31	5	48	87
Industrial instrument mechanic	4	169	4	47	26
Industrial mechanic-millwright	3 to 5	1,094	4	27	21
Industrial plant operator	3	108	7	27	90
Refrigeration and air conditioning mechanic	4 to 5	519	4	28	24
Sawfiler	1 to 4	60	3	32	11
Other	...	248	4	32	39

Table A.2.3.2 (continued)

Distribution and characteristics of discontinuers by main trade and province, 1995 cohort

Province and main trade	Nominal duration of program in jurisdiction	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	years	number	years	percent	
Metal fabricating trades, total	...	**6,366**	**3**	**40**	**30**
Automatic machinist	3 to 4	26	5	42	64
Gasfitter	2 to 3	61	4	36	36
Gasfitter (domestic and commercial)	2	63	2	33	24
Ironworker	1 to 3	296	2	59	35
Machinist	3 to 4	843	3	35	21
Moulder and engraver	3 to 4	316	3	36	12
Plumber	4 to 5	961	3	37	18
Reinforcing steel erector	2	32	4	84	100
Sheet metal worker	3 to 4	748	4	38	28
Sprinkler system installer	3 to 4	151	3	40	20
Steamfitter-pipefitter	3 to 4	821	4	58	31
Steel and plate worker	2	60	6	60	89
Steel fabricator	3 to 4	130	3	45	17
Tool and die maker	2 to 5	485	3	28	26
Welder	2 to 5	1,189	4	35	40
Other	...	184	4	38	47
Motor vehicle and heavy equipment, total	...	**6,918**	**4**	**38**	**43**
Agricultural equipment technician	2 to 4	91	3	31	39
Air-cooled and marine engine mechanic (small engines)	2 to 3	51	4	31	69
Aircraft maintenance technician	4	26	4	65	41
Automotive service technician	2 to 4	2,937	4	32	21
Crane and hoist operator	1 to 3	448	4	73	91
Heavy duty equipment mechanic technician	3 to 5	1,027	4	30	22
Heavy duty equipment operator	1	103	3	59	97
Mobile crane operator	1 to 3	102	6	25	88
Motor vehicle body repairer	2 to 4	576	4	49	44
Motor vehicle painter	1 to 2	98	2	33	50
Motor vehicle steering suspension and brakes mechanic	2 to 4	158	5	39	72
Motor vehicle transmission mechanic	2	35	4	31	100
Motorcycle repair mechanic	2 to 4	58	3	43	52
Partsperson (industrial engine and equipment)	3	223	4	43	33
Power shovel operator	1	175	2	50	98
Small equipment mechanic	2	55	4	40	64
Transport trailer technician	2	64	3	48	71
Truck and transport mechanic	2 to 4	414	4	29	52
Other	...	277	3	43	19
Other trades, total	...	**657**	**4**	**52**	**54**
Arborist (tree cutter)	3	52	5	42	55
Child and youth worker	3	38	8	58	100
Draftsman	3 to 4	35	5	49	29
Horticulture	2	37	3	54	75
Landscape gardener	2 to 4	311	3	60	52
Pool and spa installation and service technician	2	25	3	64	63
Other	...	159	4	37	39
New Brunswick					
Total population	...	**753**	**5**	**42**	**45**
Building construction, total	...	**105**	**6**	**63**	**55**
Carpenter	4	69	5	70	46
Other	...	36	7	50	78

Table A.2.3.2 (continued)

Distribution and characteristics of discontinuers by main trade and province, 1995 cohort

Province and main trade	Nominal duration of program in jurisdiction	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	years	number	years	percent	
Electrical, electronics and related trades, total	...	**120**	**4**	**38**	**24**
Construction electrician	5	82	4	35	14
Industrial electrician	4	27	6	37	50
Other	...	11	2	64	29
Food and service trades, total	...	**x**	**...**	**x**	**x**
Barber	2	34	2	38	46
Cook	3	60	5	55	52
Other	...	x	...	x	x
Industrial and related mechanical trades, total	...	**106**	**4**	**36**	**53**
Industrial mechanic-millwright	4	38	5	32	50
Other	...	68	4	38	54
Metal fabricating trades, total	...	**113**	**4**	**42**	**40**
Machinist	4	28	4	39	36
Plumber	4	25	3	48	25
Welder	3	26	3	42	45
Other	...	34	6	38	54
Motor vehicle and heavy equipment, total	...	**187**	**5**	**39**	**45**
Automotive service technician	4	70	6	37	50
Motor vehicle body repairer	2 to 4	26	6	62	56
Motor vehicle steering suspension and brakes mechanic	3	30	3	37	36
Truck and transport mechanic	4	42	4	31	23
Other	...	19	6	37	57
Other trades, total	...	**x**	**...**	**x**	**x**
Quebec (CCQ)					
Total population	...	**3,449**	**3**	**62**	**41**
Building construction, total	...	**909**	**3**	**51**	**32**
Bricklayer	3	51	3	41	29
Carpenter	3	490	3	52	19
Cement finisher	2	46	3	63	55
Floor covering installer	1	28	3	50	100
Lather (interior systems mechanic)	3	26	3	54	29
Painter and decorator	3	111	3	56	32
Plasterer	3	42	3	40	24
Roofer	1	70	3	44	97
Tile setter	3	34	2	56	21
Other	...	11	4	73	38
Electrical, electronics and related trades, total	...	**1,220**	**4**	**67**	**29**
Construction electrician	4	305	4	36	28
Industrial electrician	4	679	4	85	36
Security alarms installer	3	236	2	55	0
Industrial and related mechanical trades, total	...	**165**	**4**	**42**	**20**
Industrial mechanic-millwright	3	35	3	71	20
Refrigeration and air conditioning mechanic	4	103	4	28	17
Other	...	27	3	59	25
Metal fabricating trades, total	...	**659**	**4**	**66**	**33**
Ironworker	2	45	4	51	74
Sheet metal worker	3	83	3	46	32
Sprinkler system installer	4	51	5	39	20
Steamfitter-pipefitter	4	453	4	75	29
Other	...	27	3	56	80

Table A.2.3.2 (continued)

Distribution and characteristics of discontinuers by main trade and province, 1995 cohort

Province and main trade	Nominal duration of program in jurisdiction	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	years	number	years	percent	
Motor vehicle and heavy equipment, total	...	**496**	**3**	**71**	**94**
Crane and hoist operator	1	203	3	95	94
Heavy duty equipment operator	1	103	3	59	97
Power shovel operator	1	175	2	50	98
Other	...	15	4	67	40
Ontario					
Total population	...	**12,062**	**4**	**35**	**47**
Building construction, total	...	**1,340**	**4**	**54**	**59**
Bricklayer	2	70	4	53	73
Building service technician	3	279	5	37	57
Carpenter	3	476	4	58	49
Drywall mechanic	2	89	6	44	74
Floor covering installer	3	45	4	87	38
Glazier	4	37	7	68	80
Native residential construction worker	2	76	4	38	90
Painter and decorator	2	46	3	74	82
Plasterer	2	25	3	88	91
Roofer	3	32	7	56	61
Stone mason	3	32	5	47	73
Woodworker	4	59	5	59	40
Other	...	74	6	66	55
Electrical, electronics and related trades, total	...	**1,258**	**4**	**29**	**31**
Appliance service technician-serviceman	3	73	3	75	4
Construction electrician	4	838	5	24	36
Industrial electrician	4 to 5	247	5	30	34
Powerline technician	4	31	5	23	0
Other	...	69	4	41	46
Food and service trades, total	...	**2,508**	**4**	**35**	**64**
Assistant cook	1	69	4	72	90
Baker	3	46	4	63	17
Cook	3	769	4	54	41
Hairdresser / hairstylist	2	1,544	4	23	87
Meat cutter	2	33	4	39	92
Other	...	47	5	70	79
Industrial and related mechanical trades, total	...	**1,105**	**4**	**25**	**32**
Construction millwright	4	69	4	25	18
Fitter assembler	3 to 4	31	5	48	87
Industrial mechanic-millwright	4 to 5	557	4	24	17
Industrial plant operator	3	108	7	27	90
Refrigeration and air conditioning mechanic	4	243	4	21	35
Sawfiler	4	33	3	58	11
Other	...	64	5	19	42
Metal fabricating trades, total	...	**2,492**	**4**	**33**	**31**
Automatic machinist	3 to 4	26	5	42	64
Ironworker	3	60	4	12	14
Machinist	3 to 4	526	3	37	17
Moulder and engraver	3 to 4	316	3	36	12
Plumber	4	332	4	30	32
Reinforcing steel erector	2	32	4	84	100
Sheet metal worker	3 to 4	426	5	30	39
Sprinkler system installer	3	33	6	24	88
Steamfitter-pipefitter	3 to 4	110	5	26	41
Steel and plate worker	2	60	6	60	89
Tool and die maker	2 to 5	485	3	28	26

Table A.2.3.2 (continued)

Distribution and characteristics of discontinuers by main trade and province, 1995 cohort

Province and main trade	Nominal duration of program in jurisdiction	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	years	number	years	percent	
Welder	2 to 5	67	3	43	21
Other	...	19	3	42	25
Motor vehicle and heavy equipment, total	...	**2,958**	**4**	**32**	**42**
Agricultural equipment technician	4	43	4	30	23
Air-cooled and marine engine mechanic (small engines)	2 to 3	51	4	31	69
Automotive service technician	2 to 4	1,765	4	30	24
Heavy duty equipment mechanic technician	3 to 4	159	4	29	30
Mobile crane operator	1 to 3	102	6	25	88
Motor vehicle body repairer	2 to 3	253	4	50	50
Motor vehicle painter	1	28	3	36	100
Motor vehicle steering suspension and brakes mechanic	2 to 3	100	5	40	88
Motor vehicle transmission mechanic	2	35	4	31	100
Motorcycle repair mechanic	2	28	4	46	77
Small equipment mechanic	2	55	4	40	64
Transport trailer technician	2	64	3	48	71
Truck and transport mechanic	2	251	4	24	92
Other	...	24	6	33	88
Other trades, total	...	**401**	**4**	**54**	**72**
Arborist (tree cutter)	3	52	5	42	55
Child and youth worker	3	38	8	58	100
Draftsman	3 to 4	35	5	49	29
Horticulture	2	37	3	54	75
Landscape gardener	2	183	3	58	78
Pool and spa installation and service technician	2	25	3	64	63
Other	...	31	6	42	77
Manitoba					
Total population	...	**751**	**4**	**35**	**40**
Building construction, total	...	**112**	**7**	**57**	**72**
Carpenter	4	87	7	54	68
Other	...	25	6	68	82
Electrical, electronics and related trades, total	...	**133**	**4**	**28**	**41**
Construction electrician	4	123	4	29	39
Other	...	10	6	10	100
Food and service trades, total	...	x	...	x	x
Industrial and related mechanical trades, total	...	**44**	**6**	**11**	**60**
Industrial mechanic-millwright	4	25	7	8	100
Other	...	19	4	16	33
Metal fabricating trades, total	...	**133**	**6**	**28**	**27**
Machinist	4	25	6	12	67
Plumber	5	60	5	37	9
Other	...	48	6	25	50
Motor vehicle and heavy equipment, total	...	**289**	**3**	**34**	**21**
Aircraft maintenance technician	4	26	4	65	41
Automotive service technician	4	111	4	37	10
Heavy duty equipment mechanic technician	4	117	3	22	8
Motor vehicle body repairer	4	25	4	32	25
Other	...	10	7	60	100
Other trades, total	...	x	...	x	x

Table A.2.3.2 (continued)

Distribution and characteristics of discontinuers by main trade and province, 1995 cohort

Province and main trade	Nominal duration of program in jurisdiction	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	years	number	years	percent	
Alberta					
Total population	...	**7,305**	**4**	**41**	**37**
Building construction, total	...	**719**	**4**	**55**	**23**
Cabinet maker	4	109	4	64	30
Carpenter	4	383	5	55	12
Cement finisher	3	33	3	45	27
Floor covering installer	2	31	4	52	94
Insulator installer heat and frost	4	39	3	41	13
Painter and decorator	3	37	4	46	41
Roofer	3	29	3	62	33
Other	...	58	4	59	38
Electrical, electronics and related trades, total	...	**713**	**4**	**36**	**24**
Construction electrician	4	574	4	34	18
Electrician (communications)	4	32	6	69	64
Powerline technician	4	38	4	26	20
Other	...	69	4	43	40
Food and service trades, total	...	**1,245**	**4**	**39**	**54**
Baker	3	90	3	49	27
Cook	3	389	4	56	49
Hairdresser / hairstylist	2	738	3	28	66
Locksmith	4	28	5	57	44
Industrial and related mechanical trades, total	...	**602**	**4**	**36**	**29**
Boilermaker	4	30	3	33	0
Industrial instrument mechanic	4	169	4	47	26
Industrial mechanic-millwright	4	277	4	32	29
Refrigeration and air conditioning mechanic	4	92	5	33	40
Other	...	34	3	29	40
Metal fabricating trades, total	...	**2,064**	**4**	**41**	**37**
Gasfitter	2 to 3	61	4	36	36
Ironworker	1 to 3	157	1	80	32
Machinist	4	172	5	35	33
Plumber	4	206	4	41	29
Sheet metal worker	4	117	4	51	22
Steamfitter-pipefitter	4	229	5	45	35
Steel fabricator	3	41	5	44	56
Welder	3	1,062	4	34	43
Other	...	19	4	26	20
Motor vehicle and heavy equipment, total	...	**1,849**	**4**	**39**	**43**
Agricultural equipment technician	2	48	3	31	53
Automotive service technician	4	561	4	34	24
Crane and hoist operator	1 to 3	245	4	55	87
Heavy duty equipment mechanic technician	4	582	4	33	27
Motor vehicle body repairer	3	158	5	49	58
Motorcycle repair mechanic	4	30	3	40	25
Partsperson (industrial engine and equipment)	3	189	4	46	37
Other	...	36	3	22	25
Other trades, total	...	**113**	**4**	**67**	**28**
Landscape gardener	4	94	4	69	23
Other	...	19	6	58	55
British Columbia					
Total population	...	**5,181**	**2**	**46**	**9**

Table A.2.3.2 (concluded)

Distribution and characteristics of discontinuers by main trade and province, 1995 cohort

Province and main trade	Nominal duration of program in jurisdiction	Total number of registered apprentices	Median duration for discontinuers	Discontinuers	Discontinuers who spent a time of 50% or more beyond nominal duration in the program before leaving
	years	number	years	percent	
Building construction, total	...	**1,348**	**2**	**61**	**9**
Bricklayer	4	30	3	67	5
Carpenter	4	692	2	60	10
Floor covering installer	3	35	2	66	26
Glazier	4	39	3	56	5
Joiner	4	88	3	59	2
Painter and decorator	3	102	2	63	8
Plasterer	4	114	2	84	5
Roofer	3	105	2	62	8
Sawfitter / benchman (lumber manufacturing)	1 to 2	61	2	8	40
Other	...	82	3	68	9
Electrical, electronics and related trades, total	...	**741**	**2**	**40**	**8**
Construction electrician	4	686	2	41	7
Other	...	55	2	31	18
Food and service trades, total	...	**627**	**2**	**61**	**18**
Baker	3	50	2	54	0
Barber	2	26	2	58	33
Cook	3	315	2	60	4
Hairdresser / hairstylist	2	170	2	75	42
Meat cutter	3	28	3	43	0
Other	...	38	2	32	33
Industrial and related mechanical trades, total	...	**306**	**3**	**26**	**6**
Industrial mechanic-millwright	4	162	2	22	6
Refrigeration and air conditioning mechanic	5	81	2	40	0
Sawfiler	1	27	...	0	0
Other	...	36	5	36	23
Metal fabricating trades, total	...	**905**	**2**	**41**	**7**
Gasfitter (domestic and commercial)	2	63	2	33	24
Ironworker	3	34	2	56	21
Machinist	4	92	4	26	13
Plumber	4	338	2	42	1
Sheet metal worker	4	122	3	48	9
Sprinkler system installer	4	67	3	48	3
Steamfitter-pipefitter	4	29	2	24	14
Steel fabricator	4	89	3	45	0
Welder	3	34	2	35	0
Other	...	37	3	46	29
Motor vehicle and heavy equipment, total	...	**1,139**	**2**	**36**	**6**
Automotive service technician	4	430	2	34	3
Heavy duty equipment mechanic technician	4 to 5	169	2	28	4
Motor vehicle body repairer	4	114	3	45	8
Motor vehicle painter	2	70	2	31	27
Motor vehicle steering suspension and brakes mechanic	2 to 4	28	3	36	50
Partsperson (industrial engine and equipment)	3	34	3	32	0
Truck and transport mechanic	4	121	3	37	7
Other	...	173	2	47	0
Other trades, total	...	**115**	**2**	**34**	**5**
Landscape gardener	4	34	2	44	0
Other	...	81	3	30	8

... not applicable

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.3.3

Median and mean age at registration of discontinuers by main trade and province, 1995 cohort

Province and main trade	Discontinuers	Median age	Mean age
	number	years	
All provinces			
Total population	**12,268**	**27**	**29**
Building construction, total	**2,514**	**28**	**30**
Bricklayer	78	27	28
Building service technician	103	34	35
Cabinet maker	68	27	28
Carpenter	1,239	27	30
Cement finisher	44	37	36
Drywall mechanic	39	28	30
Floor covering installer	92	27	30
Glazier	47	25	27
Insulator installer heat and frost	15	31	30
Joiner	52	27	26
Lather (interior systems mechanic)	14	31	31
Native residential construction worker	29	30	32
Painter and decorator	177	31	32
Plasterer	135	30	32
Roofer	131	30	31
Sawfitter / benchman (lumber manufacturing)	x	x	x
Stone mason	15	38	41
Tile setter	19	34	36
Woodworker	35	28	31
Other	x	x	x
Electrical, electronics and related trades, total	**1,807**	**26**	**29**
Appliance service technician-serviceman	55	30	32
Construction electrician	839	25	27
Electrician (communications)	22	25	26
Industrial electrician	663	28	30
Powerline technician	17	26	26
Security alarms installer	129	26	29
Other	82	28	30
Food and service trades, total	**1,797**	**25**	**27**
Assistant cook	50	28	30
Baker	100	25	28
Barber	28	26	29
Cook	856	25	27
Hairdresser / hairstylist	677	24	27
Locksmith	16	30	31
Meat cutter	25	23	25
Other	45	29	31
Industrial and related mechanical trades, total	**687**	**30**	**31**
Boilermaker	8	29	28
Construction millwright	17	25	27
Fitter assembler	15	30	33
Industrial instrument mechanic	80	30	29
Industrial mechanic-millwright	296	31	32
Industrial plant operator	29	36	36
Refrigeration and air conditioning mechanic	143	27	29
Sawfiler	19	29	30
Other	80	30	31
Metal fabricating trades, total	**2,533**	**27**	**29**
Automatic machinist	11	20	23
Gasfitter	21	32	34
Gasfitter (domestic and commercial)	21	28	28
Ironworker	173	36	36
Machinist	291	25	27
Moulder and engraver	113	23	24
Plumber	354	26	27
Reinforcing steel erector	27	31	31
Sheet metal worker	284	28	30
Sprinkler system installer	60	26	29

Table A.2.3.3 (continued)

Median and mean age at registration of discontinuers by main trade and province, 1995 cohort

Province and main trade	Discontinuers	Median age	Mean age
	number	years	
Steamfitter-pipefitter	475	30	31
Steel and plate worker	36	26	27
Steel fabricator	58	27	28
Tool and die maker	134	24	25
Welder	405	27	28
Other	70	25	28
Motor vehicle and heavy equipment, total	**2,589**	**26**	**28**
Agricultural equipment technician	28	22	23
Air-cooled and marine engine mechanic (small engines)	16	23	29
Aircraft maintenance technician	15	21	22
Automotive service technician	934	23	25
Crane and hoist operator	327	32	32
Heavy duty equipment mechanic technician	300	28	29
Heavy duty equipment operator	61	38	40
Mobile crane operator	25	34	32
Motor vehicle body repairer	279	25	26
Motor vehicle painter	32	24	26
Motor vehicle steering suspension and brakes mechanic	61	26	28
Motor vehicle transmission mechanic	11	24	26
Motorcycle repair mechanic	25	24	26
Partsperson (industrial engine and equipment)	97	25	28
Power shovel operator	87	39	41
Small equipment mechanic	22	24	29
Transport trailer technician	31	28	29
Truck and transport mechanic	118	25	26
Other	120	27	29
Other trades, total	**341**	**28**	**30**
Arborist (tree cutter)	22	26	28
Child and youth worker	22	39	39
Draftsman	17	28	28
Horticulture	20	38	37
Landscape gardener	185	27	29
Pool and spa installation and service technician	16	26	29
Other	59	30	30
New Brunswick			
Total population	**312**	**25**	**27**
Building construction, total	**65**	**25**	**27**
Carpenter	47	25	27
Other	18	25	27
Electrical, electronics and related trades, total	**44**	**24**	**27**
Construction electrician	27	23	24
Industrial electrician	10	29	32
Other	7	28	30
Food and service trades, total	**x**	**x**	**x**
Barber	13	26	28
Cook	x	x	x
Industrial and related mechanical trades, total	**38**	**29**	**30**
Industrial mechanic-millwright	12	28	30
Other	26	29	30
Metal fabricating trades, total	**46**	**26**	**27**
Machinist	10	24	27
Plumber	12	29	30
Welder	11	27	26
Other	13	25	27
Motor vehicle and heavy equipment, total	**72**	**24**	**26**
Automotive service technician	25	25	26
Motor vehicle body repairer	16	23	24
Motor vehicle steering suspension and brakes mechanic	11	29	28

Table A.2.3.3 (continued)

Median and mean age at registration of discontinuers by main trade and province, 1995 cohort

Province and main trade	Discontinuers	Median age	Mean age
	number	years	
Truck and transport mechanic	13	23	25
Other	7	27	26
Other trades, total	x	x	x
Quebec (CCQ)			
Total population	**2,144**	**31**	**32**
Building construction, total	**468**	**36**	**37**
Bricklayer	21	27	27
Carpenter	253	37	38
Cement finisher	29	42	39
Floor covering installer	14	30	31
Lather (interior systems mechanic)	14	31	31
Painter and decorator	62	36	37
Plasterer	17	36	35
Roofer	31	37	37
Tile setter	19	34	36
Other	8	39	37
Electrical, electronics and related trades, total	**819**	**26**	**29**
Construction electrician	111	24	27
Industrial electrician	579	27	29
Security alarms installer	129	26	29
Industrial and related mechanical trades, total	**70**	**30**	**32**
Industrial mechanic-millwright	25	36	35
Refrigeration and air conditioning mechanic	29	26	28
Other	16	37	35
Metal fabricating trades, total	**436**	**31**	**32**
Ironworker	23	34	34
Sheet metal worker	38	32	33
Sprinkler system installer	20	27	30
Steamfitter-pipefitter	340	30	31
Other	15	36	37
Motor vehicle and heavy equipment, total	**351**	**34**	**35**
Crane and hoist operator	193	30	31
Heavy duty equipment operator	61	38	40
Power shovel operator	87	39	41
Other	10	35	35
Ontario			
Total population	**4,250**	**26**	**28**
Building construction, total	**721**	**29**	**31**
Bricklayer	37	28	29
Building service technician	103	34	35
Carpenter	276	26	28
Drywall mechanic	39	28	30
Floor covering installer	39	35	35
Glazier	25	26	29
Native residential construction worker	29	30	32
Painter and decorator	34	25	27
Plasterer	22	38	36
Roofer	18	28	27
Stone mason	15	38	41
Woodworker	35	28	31
Other	49	31	33
Electrical, electronics and related trades, total	**362**	**28**	**30**
Appliance service technician-serviceman	55	30	32
Construction electrician	198	26	28
Industrial electrician	74	34	34
Powerline technician	7	29	29
Other	28	29	31

Table A.2.3.3 (continued)

Median and mean age at registration of discontinuers by main trade and province, 1995 cohort

Province and main trade	Discontinuers	Median age	Mean age
	number	years	
Food and service trades, total	**888**	**26**	**28**
Assistant cook	50	28	30
Baker	29	25	27
Cook	412	25	28
Hairdresser / hairstylist	351	25	28
Meat cutter	13	23	25
Other	33	28	30
Industrial and related mechanical trades, total	**278**	**30**	**32**
Construction millwright	17	25	27
Fitter assembler	15	30	33
Industrial mechanic-millwright	134	32	33
Industrial plant operator	29	36	36
Refrigeration and air conditioning mechanic	52	27	28
Sawfiler	19	29	30
Other	12	27	31
Metal fabricating trades, total	**826**	**25**	**27**
Automatic machinist	11	20	23
Ironworker	7	31	29
Machinist	195	25	27
Moulder and engraver	113	23	24
Plumber	100	25	27
Reinforcing steel erector	27	31	31
Sheet metal worker	129	31	32
Sprinkler system installer	8	24	26
Steamfitter-pipefitter	29	28	30
Steel and plate worker	36	26	27
Tool and die maker	134	24	25
Welder	29	25	25
Other	8	24	25
Motor vehicle and heavy equipment, total	**958**	**24**	**26**
Agricultural equipment technician	13	19	21
Air-cooled and marine engine mechanic (small engines)	16	23	29
Automotive service technician	536	23	25
Heavy duty equipment mechanic technician	46	28	28
Mobile crane operator	25	34	32
Motor vehicle body repairer	127	24	25
Motor vehicle painter	10	23	24
Motor vehicle steering suspension and brakes mechanic	40	24	28
Motor vehicle transmission mechanic	11	24	26
Motorcycle repair mechanic	13	25	27
Small equipment mechanic	22	24	29
Transport trailer technician	31	28	29
Truck and transport mechanic	60	24	25
Other	8	33	30
Other trades, total	**217**	**28**	**30**
Arborist (tree cutter)	22	26	28
Child and youth worker	22	39	39
Draftsman	17	28	28
Horticulture	20	38	37
Landscape gardener	107	27	29
Pool and spa installation and service technician	16	26	29
Other	13	30	30
Manitoba			
Total population	**253**	**25**	**27**
Building construction, total	**58**	**26**	**27**
Carpenter	44	26	26
Other	14	30	28
Electrical, electronics and related trades, total	**36**	**24**	**26**
Food and service trades, total	**x**	**x**	**x**

Table A.2.3.3 (continued)

Median and mean age at registration of discontinuers by main trade and province, 1995 cohort

Province and main trade	Discontinuers	Median age	Mean age
	number	years	
Industrial and related mechanical trades, total	x	x	x
Metal fabricating trades, total	**36**	**28**	**29**
Machinist	x	x	x
Plumber	21	29	29
Other	x	x	x
Motor vehicle and heavy equipment, total	**96**	**24**	**26**
Aircraft maintenance technician	15	21	22
Automotive service technician	41	23	24
Heavy duty equipment mechanic technician	26	30	31
Motor vehicle body repairer	8	27	30
Other	6	24	26
Other trades, total	x	x	x
Alberta			
Total population	**2,909**	**27**	**28**
Building construction, total	**383**	**26**	**28**
Cabinet maker	68	27	28
Carpenter	202	25	27
Cement finisher	15	29	31
Floor covering installer	16	24	25
Insulator installer heat and frost	15	31	30
Painter and decorator	17	35	31
Roofer	18	32	32
Other	32	24	24
Electrical, electronics and related trades, total	**250**	**25**	**27**
Construction electrician	189	25	26
Electrician (communications)	22	25	26
Powerline technician	10	24	24
Other	29	30	29
Food and service trades, total	**469**	**24**	**27**
Baker	44	29	29
Cook	211	24	27
Hairdresser / hairstylist	198	23	26
Locksmith	16	30	31
Industrial and related mechanical trades, total	**215**	**30**	**30**
Boilermaker	8	29	28
Industrial instrument mechanic	80	30	29
Industrial mechanic-millwright	87	29	30
Refrigeration and air conditioning mechanic	30	31	31
Other	10	33	32
Metal fabricating trades, total	**820**	**29**	**30**
Gasfitter	21	32	34
Ironworker	124	37	37
Machinist	60	24	27
Plumber	81	27	28
Sheet metal worker	59	25	27
Steamfitter-pipefitter	99	29	30
Steel fabricator	18	29	30
Welder	353	27	28
Other	x	x	x
Motor vehicle and heavy equipment, total	**698**	**27**	**29**
Agricultural equipment technician	15	23	25
Automotive service technician	186	25	26
Crane and hoist operator	134	33	34
Heavy duty equipment mechanic technician	180	28	29
Motor vehicle body repairer	77	26	27
Motorcycle repair mechanic	12	23	26
Partsperson (industrial engine and equipment)	86	26	28

Table A.2.3.3 (concluded)

Median and mean age at registration of discontinuers by main trade and province, 1995 cohort

Province and main trade	Discontinuers	Median age	Mean age
	number	years	
Other	8	33	36
Other trades, total	**74**	**28**	**30**
Landscape gardener	63	28	30
Other	11	27	29
British Columbia			
Total population	**2,400**	**26**	**28**
Building construction, total	**819**	**26**	**28**
Bricklayer	20	25	26
Carpenter	417	26	27
Floor covering installer	23	25	25
Glazier	22	23	25
Joiner	52	27	26
Painter and decorator	64	29	31
Plasterer	96	28	31
Roofer	64	28	29
Sawfitter / benchman (lumber manufacturing)	x	x	x
Other	x	x	x
Electrical, electronics and related trades, total	**296**	**26**	**28**
Construction electrician	279	26	28
Other	17	27	28
Food and service trades, total	**382**	**24**	**26**
Baker	27	24	28
Barber	15	27	31
Cook	188	24	25
Hairdresser / hairstylist	128	24	27
Meat cutter	12	24	25
Other	12	32	36
Industrial and related mechanical trades, total	**81**	**30**	**31**
Industrial mechanic-millwright	36	32	33
Refrigeration and air conditioning mechanic	32	30	29
Other	13	27	28
Metal fabricating trades, total	**369**	**26**	**27**
Gasfitter (domestic and commercial)	21	28	28
Ironworker	19	34	36
Machinist	23	24	26
Plumber	140	25	26
Sheet metal worker	58	27	28
Sprinkler system installer	32	27	28
Steamfitter-pipefitter	7	22	27
Steel fabricator	40	26	26
Welder	12	24	26
Other	17	22	23
Motor vehicle and heavy equipment, total	**414**	**25**	**27**
Automotive service technician	146	24	26
Heavy duty equipment mechanic technician	48	26	27
Motor vehicle body repairer	51	26	27
Motor vehicle painter	22	25	26
Motor vehicle steering suspension and brakes mechanic	10	30	29
Partsperson (industrial engine and equipment)	11	24	25
Truck and transport mechanic	45	27	27
Other	81	26	29
Other trades, total	**39**	**31**	**30**
Landscape gardener	15	31	30
Other	24	31	31

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: Apprentices for whom the age is unknown are excluded from this table.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.3.4

Distribution of discontinuers by duration of program and by province, 1995 cohort

Province and program duration	All apprentices	Discontinuers
	number	percent
All provinces		
Total population	**29,501**	**42**
1 year	1,138	62
2 years	4,381	35
3 years	7,193	48
4 years	16,435	40
5 years	354	34
New Brunswick		
Total population	**753**	**42**
1 year	10	x
2 years	50	30
3 years	189	43
4 years	421	45
5 years	83	35
Quebec (CCQ)		
Total population	**3,449**	**62**
1 year	590	66
2 years	107	57
3 years	1,147	53
4 years	1,591	68
5 years	14	43
Ontario		
Total population	**12,062**	**35**
1 year	126	59
2 years	2,918	34
3 years	2,671	47
4 years	6,284	30
5 years	63	22
Manitoba		
Total population	**751**	**35**
1 year	0	0
2 years	9	x
3 years	38	45
4 years	633	34
5 years	71	35
Alberta		
Total population	**7,305**	**41**
1 year	347	65
2 years	839	29
3 years	2,237	43
4 years	3,882	40
5 years	0	0
British Columbia		
Total population	**5,181**	**46**
1 year	65	x
2 years	458	48
3 years	911	56
4 years	3,624	45
5 years	123	37

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.4.1

Distribution and characteristics of 2005 continuers by age group at registration and province, 1995 cohort

Province and age group	Total number of registered apprentices	2005 continuers	Continuers in the same trade	No interruption
	number		percent	
All provinces				
All age groups	**29,501**	**8**	**86**	**75**
15 to 19 years	2,852	7	82	74
20 to 24 years	10,350	7	83	72
25 to 29 years	6,318	7	86	75
30 to 39 years	7,056	8	87	75
40 years and over	2,741	11	93	79
New Brunswick				
All age groups	**753**	**3**	**81**	**48**
15 to 19 years	37	x	x	x
20 to 24 years	316	3	73	x
25 to 29 years	183	x	x	x
30 to 39 years	147	4	x	x
40 years and over	57	x	x	x
Quebec (CCQ)				
All age groups	**3,449**	**8**	**80**	**36**
15 to 19 years	209	8	76	59
20 to 24 years	1,038	6	82	43
25 to 29 years	614	5	78	38
30 to 39 years	951	10	76	30
40 years and over	637	11	85	32
Ontario				
All age groups	**12,062**	**14**	**91**	**88**
15 to 19 years	1,235	14	86	82
20 to 24 years	4,445	13	88	83
25 to 29 years	2,564	13	90	87
30 to 39 years	2,736	15	94	93
40 years and over	1,081	20	96	96
Manitoba				
All age groups	**751**	**4**	**87**	**80**
15 to 19 years	80	x	x	x
20 to 24 years	295	5	86	71
25 to 29 years	160	x	x	x
30 to 39 years	166	6	80	90
40 years and over	32	0	0	0
Alberta				
All age groups	**7,305**	**3**	**50**	**14**
15 to 19 years	757	2	41	x
20 to 24 years	2,491	3	46	18
25 to 29 years	1,536	3	52	x
30 to 39 years	1,805	3	57	13
40 years and over	579	1	x	x
British Columbia				
All age groups	**5,181**	**0**	**0**	**0**

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: The age group total may not sum up to the total population because of unknown age.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.4.2
Distribution and characteristics of 2005 continuers by main trade and province, 1995 cohort

Province and main trade	Total number of registered apprentices	2005 continuers	Continuers in the same trade	No interruption
	number	percent		
All provinces				
Total population	**29,501**	**8**	**86**	**75**
Building construction, total	**4,533**	**10**	**89**	**72**
Bricklayer	151	25	87	71
Building service technician	279	23	95	95
Cabinet maker	109	x	x	x
Carpenter	2,197	9	88	60
Cement finisher	79	9	x	x
Drywall mechanic	89	46	100	100
Floor covering installer	139	x	0	x
Glazier	76	11	100	88
Insulator installer heat and frost	39	x	0	0
Joiner	88	0	0	0
Lather (interior systems mechanic)	26	x	x	x
Native residential construction worker	76	21	94	94
Painter and decorator	296	7	86	59
Plasterer	181	7	67	58
Roofer	236	4	78	x
Sawfitter / benchman (lumber manufacturing)	61	0	0	0
Stone mason	32	x	x	x
Tile setter	34	x	x	x
Woodworker	59	27	100	100
Other	286	5	93	93
Electrical, electronics and related trades, total	**4,185**	**6**	**88**	**67**
Appliance service technician-serviceman	73	x	x	x
Construction electrician	2,608	5	86	60
Electrician (communications)	32	x	x	0
Industrial electrician	953	8	99	97
Powerline technician	69	x	x	x
Security alarms installer	236	9	73	0
Other	214	7	88	88
Food and service trades, total	**4,514**	**6**	**92**	**87**
Assistant cook	69	12	100	100
Baker	186	x	x	x
Barber	60	0	0	0
Cook	1,561	8	88	82
Hairdresser / hairstylist	2,452	6	99	91
Locksmith	28	x	0	0
Meat cutter	61	11	x	86
Other	97	x	x	x
Industrial and related mechanical trades, total	**2,328**	**8**	**90**	**86**
Boilermaker	30	x	0	0
Construction millwright	69	10	100	100
Fitter assembler	31	45	100	100
Industrial instrument mechanic	169	x	x	x
Industrial mechanic-millwright	1,094	10	93	91
Industrial plant operator	108	11	100	100
Refrigeration and air conditioning mechanic	519	5	74	63
Sawfiler	60	0	0	0
Other	248	4	78	67
Metal fabricating trades, total	**6,366**	**6**	**78**	**67**
Automatic machinist	26	27	86	86
Gasfitter	61	0	0	0
Gasfitter (domestic and commercial)	63	0	0	0
Ironworker	296	3	x	x
Machinist	843	9	87	81
Moulder and engraver	316	12	89	73
Plumber	961	5	91	70
Reinforcing steel erector	32	x	x	x

Table A.2.4.2 (continued)

Distribution and characteristics of 2005 continuers by main trade and province, 1995 cohort

Province and main trade	Total number of registered apprentices	2005 continuers	Continuers in the same trade	No interruption
	number		percent	
Sheet metal worker	748	8	80	70
Sprinkler system installer	151	5	x	x
Steamfitter-pipefitter	821	4	69	41
Steel and plate worker	60	12	0	100
Steel fabricator	130	x	x	0
Tool and die maker	485	9	77	75
Welder	1,189	3	68	41
Other	184	3	x	x
Motor vehicle and heavy equipment, total	**6,918**	**8**	**82**	**73**
Agricultural equipment technician	91	7	x	x
Air-cooled and marine engine mechanic (small engines)	51	24	92	92
Aircraft maintenance technician	26	0	0	0
Automotive service technician	2,937	9	86	80
Crane and hoist operator	448	2	x	0
Heavy duty equipment mechanic technician	1,027	4	72	60
Heavy duty equipment operator	103	10	x	x
Mobile crane operator	102	18	100	89
Motor vehicle body repairer	576	10	81	77
Motor vehicle painter	98	10	100	100
Motor vehicle steering suspension and brakes mechanic	158	10	56	50
Motor vehicle transmission mechanic	35	34	100	100
Motorcycle repair mechanic	58	10	x	x
Partsperson (industrial engine and equipment)	223	0	0	0
Power shovel operator	175	17	73	27
Small equipment mechanic	55	29	100	94
Transport trailer technician	64	x	x	x
Truck and transport mechanic	414	8	91	78
Other	277	5	62	62
Other trades, total	**657**	**15**	**88**	**89**
Arborist (tree cutter)	52	21	100	100
Child and youth worker	38	0	0	0
Draftsman	35	20	100	100
Horticulture	37	16	100	100
Landscape gardener	311	20	85	87
Pool and spa installation and service technician	25	x	x	x
Other	159	5	75	75
New Brunswick				
Total population	**753**	**3**	**81**	**48**
Building construction, total	**105**	**x**	**x**	**x**
Carpenter	69	x	x	x
Other	36	x	x	x
Electrical, electronics and related trades, total	**120**	**5**	**x**	**x**
Construction electrician	82	x	x	x
Industrial electrician	27	x	x	x
Other	11	0	0	0
Food and service trades, total	**x**	**x**	**x**	**x**
Barber	34	0	0	0
Cook	60	x	x	0
Other	x	x	x	x
Industrial and related mechanical trades, total	**106**	**x**	**x**	**x**
Industrial mechanic-millwright	38	0	0	0
Other	68	x	x	x
Metal fabricating trades, total	**113**	**5**	**x**	**x**
Machinist	28	0	0	0
Plumber	25	x	x	x
Welder	26	x	x	x
Other	34	0	0	0

Table A.2.4.2 (continued)

Distribution and characteristics of 2005 continuers by main trade and province, 1995 cohort

Province and main trade	Total number of registered apprentices	2005 continuers	Continuers in the same trade	No interruption
	number		percent	
Motor vehicle and heavy equipment, total	**187**	**x**	**x**	**x**
Automotive service technician	70	0	0	0
Motor vehicle body repairer	26	x	x	x
Motor vehicle steering suspension and brakes mechanic	30	0	0	0
Truck and transport mechanic	42	0	0	0
Other	19	x	x	x
Other trades, total	**x**	**x**	**x**	**x**
Quebec (CCQ)				
Total population	**3,449**	**8**	**80**	**36**
Building construction, total	**909**	**15**	**86**	**40**
Bricklayer	51	20	90	x
Carpenter	490	16	95	36
Cement finisher	46	x	x	x
Floor covering installer	28	x	0	x
Lather (interior systems mechanic)	26	x	x	x
Painter and decorator	111	10	82	55
Plasterer	42	26	64	64
Roofer	70	9	x	x
Tile setter	34	x	x	x
Other	11	0	0	0
Electrical, electronics and related trades, total	**1,220**	**4**	**85**	**28**
Construction electrician	305	10	94	47
Industrial electrician	679	0	0	0
Security alarms installer	236	9	73	0
Industrial and related mechanical trades, total	**165**	**5**	**x**	**x**
Industrial mechanic-millwright	35	x	0	0
Refrigeration and air conditioning mechanic	103	7	x	x
Other	27	x	0	0
Metal fabricating trades, total	**659**	**5**	**71**	**42**
Ironworker	45	x	x	x
Sheet metal worker	83	11	67	x
Sprinkler system installer	51	x	x	x
Steamfitter-pipefitter	453	3	92	46
Other	27	x	x	x
Motor vehicle and heavy equipment, total	**496**	**9**	**67**	**33**
Crane and hoist operator	203	x	x	0
Heavy duty equipment operator	103	10	x	x
Power shovel operator	175	17	73	27
Other	15	x	x	x
Ontario				
Total population	**12,062**	**14**	**91**	**88**
Building construction, total	**1,340**	**21**	**92**	**90**
Bricklayer	70	40	86	86
Building service technician	279	23	95	95
Carpenter	476	19	84	84
Drywall mechanic	89	46	100	100
Floor covering installer	45	0	0	0
Glazier	37	22	100	88
Native residential construction worker	76	21	94	94
Painter and decorator	46	22	90	70
Plasterer	25	x	x	0
Roofer	32	x	x	x
Stone mason	32	x	x	x
Woodworker	59	27	100	100
Other	74	14	100	100

Table A.2.4.2 (continued)

Distribution and characteristics of 2005 continuers by main trade and province, 1995 cohort

Province and main trade	Total number of registered apprentices	2005 continuers	Continuers in the same trade	No interruption
	number		percent	
Electrical, electronics and related trades, total	**1,258**	**13**	**94**	**91**
Appliance service technician-serviceman	73	x	x	x
Construction electrician	838	8	88	81
Industrial electrician	247	28	99	99
Powerline technician	31	x	x	x
Other	69	20	100	100
Food and service trades, total	**2,508**	**11**	**95**	**91**
Assistant cook	69	12	100	100
Baker	46	x	x	x
Cook	769	15	92	88
Hairdresser / hairstylist	1,544	9	99	93
Meat cutter	33	21	x	86
Other	47	x	x	x
Industrial and related mechanical trades, total	**1,105**	**14**	**95**	**94**
Construction millwright	69	10	100	100
Fitter assembler	31	45	100	100
Industrial mechanic-millwright	557	18	96	96
Industrial plant operator	108	11	100	100
Refrigeration and air conditioning mechanic	243	8	84	74
Sawfiler	33	0	0	0
Other	64	9	x	x
Metal fabricating trades, total	**2,492**	**11**	**82**	**80**
Automatic machinist	26	27	86	86
Ironworker	60	x	x	x
Machinist	526	13	87	85
Moulder and engraver	316	12	89	73
Plumber	332	8	93	89
Reinforcing steel erector	32	x	x	x
Sheet metal worker	426	11	85	81
Sprinkler system installer	33	x	x	x
Steamfitter-pipefitter	110	5	x	x
Steel and plate worker	60	12	0	100
Tool and die maker	485	9	77	75
Welder	67	21	71	71
Other	19	x	x	x
Motor vehicle and heavy equipment, total	**2,958**	**16**	**89**	**85**
Agricultural equipment technician	43	x	x	x
Air-cooled and marine engine mechanic (small engines)	51	24	92	92
Automotive service technician	1,765	14	91	87
Heavy duty equipment mechanic technician	159	16	88	85
Mobile crane operator	102	18	100	89
Motor vehicle body repairer	253	21	87	81
Motor vehicle painter	28	36	100	100
Motor vehicle steering suspension and brakes mechanic	100	16	56	50
Motor vehicle transmission mechanic	35	34	100	100
Motorcycle repair mechanic	28	x	x	x
Small equipment mechanic	55	29	100	94
Transport trailer technician	64	x	x	x
Truck and transport mechanic	251	13	91	78
Other	24	33	75	75
Other trades, total	**401**	**24**	**92**	**93**
Arborist (tree cutter)	52	21	100	100
Child and youth worker	38	0	0	0
Draftsman	35	20	100	100
Horticulture	37	16	100	100
Landscape gardener	183	32	90	92
Pool and spa installation and service technician	25	x	x	x
Other	31	23	86	86

Table A.2.4.2 (continued)

Distribution and characteristics of 2005 continuers by main trade and province, 1995 cohort

Province and main trade	Total number of registered apprentices	2005 continuers	Continuers in the same trade	No interruption
	number		percent	
Manitoba				
Total population	**751**	**4**	**87**	**80**
Building construction, total	**112**	**8**	**78**	**78**
Carpenter	87	8	x	x
Other	25	x	x	x
Electrical, electronics and related trades, total	**133**	**x**	**x**	**x**
Construction electrician	123	x	x	x
Other	10	0	0	0
Food and service trades, total	**x**	**x**	**x**	**x**
Industrial and related mechanical trades, total	**44**	**0**	**0**	**0**
Industrial mechanic-millwright	25	0	0	0
Other	19	0	0	0
Metal fabricating trades, total	**133**	**9**	**92**	**75**
Machinist	25	x	x	x
Plumber	60	x	x	x
Other	48	x	x	x
Motor vehicle and heavy equipment, total	**289**	**x**	**x**	**x**
Aircraft maintenance technician	26	0	0	0
Automotive service technician	111	x	x	0
Heavy duty equipment mechanic technician	117	x	x	x
Motor vehicle body repairer	25	0	0	0
Other	10	0	0	0
Other trades, total	**x**	**x**	**x**	**x**
Alberta				
Total population	**7,305**	**3**	**50**	**14**
Building construction, total	**719**	**3**	**62**	**x**
Cabinet maker	109	x	x	x
Carpenter	383	4	71	x
Cement finisher	33	x	x	0
Floor covering installer	31	0	0	0
Insulator installer heat and frost	39	x	0	0
Painter and decorator	37	x	x	0
Roofer	29	0	0	0
Other	58	0	0	0
Electrical, electronics and related trades, total	**713**	**5**	**71**	**26**
Construction electrician	574	6	76	30
Electrician (communications)	32	x	x	0
Powerline technician	38	x	x	0
Other	69	x	0	0
Food and service trades, total	**1,245**	**1**	**x**	**0**
Baker	90	0	0	0
Cook	389	2	x	0
Hairdresser / hairstylist	738	x	x	0
Locksmith	28	x	0	0
Industrial and related mechanical trades, total	**602**	**2**	**58**	**x**
Boilermaker	30	x	0	0
Industrial instrument mechanic	169	x	x	x
Industrial mechanic-millwright	277	2	x	x
Refrigeration and air conditioning mechanic	92	x	0	0
Other	34	x	x	0

Table A.2.4.2 (concluded)

Distribution and characteristics of 2005 continuers by main trade and province, 1995 cohort

Province and main trade	Total number of registered apprentices	2005 continuers	Continuers in the same trade	No interruption
	number		percent	
Metal fabricating trades, total	**2,064**	**2**	**56**	**14**
Gasfitter	61	0	0	0
Ironworker	157	x	x	0
Machinist	172	x	x	0
Plumber	206	4	78	x
Sheet metal worker	117	x	x	0
Steamfitter-pipefitter	229	4	x	x
Steel fabricator	41	x	x	0
Welder	1,062	2	67	x
Other	19	0	0	0
Motor vehicle and heavy equipment, total	**1,849**	**3**	**32**	**x**
Agricultural equipment technician	48	x	0	0
Automotive service technician	561	4	44	x
Crane and hoist operator	245	2	0	0
Heavy duty equipment mechanic technician	582	2	43	x
Motor vehicle body repairer	158	x	0	x
Motorcycle repair mechanic	30	x	0	0
Partsperson (industrial engine and equipment)	189	0	0	0
Other	36	x	0	0
Other trades, total	**113**	**x**	**0**	**0**
Landscape gardener	94	x	0	0
Other	19	x	0	0
British Columbia				
Total population	**5,181**	**0**	**0**	**0**

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.4.3

Median and mean age at registration of 2005 continuers by major trade group and province, 1995 cohort

Province and major trade group	2005 continuers	Median age	Mean age
	number	years	
All provinces			
Total population	**2,223**	**26**	**29**
Building construction	454	29	31
Electrical, electronics and related trades	260	28	30
Food and service trades	291	24	27
Industrial and related mechanical trades	181	33	34
Metal fabricating trades	372	25	26
Motor vehicle and heavy equipment	566	24	27
Other trades	99	25	28
New Brunswick			
Total population	**21**	**23**	**27**
Building construction	x	x	x
Electrical, electronics and related trades	6	23	27
Food and service trades	x	x	x
Industrial and related mechanical trades	x	x	x
Metal fabricating trades	6	22	24
Motor vehicle and heavy equipment	x	x	x
Quebec (CCQ)			
Total population	**270**	**32**	**32**
Building construction	133	33	32
Electrical, electronics and related trades	54	27	29
Industrial and related mechanical trades	9	23	25
Metal fabricating trades	31	29	29
Motor vehicle and heavy equipment	43	41	39
Ontario			
Total population	**1,714**	**26**	**28**
Building construction	288	29	30
Electrical, electronics and related trades	159	30	31
Food and service trades	277	24	27
Industrial and related mechanical trades	159	34	35
Metal fabricating trades	273	25	26
Motor vehicle and heavy equipment	463	24	26
Other trades	95	24	28
Manitoba			
Total population	**29**	**24**	**26**
Building construction	8	24	25
Electrical, electronics and related trades	x	x	x
Food and service trades	x	x	x
Metal fabricating trades	12	30	29
Motor vehicle and heavy equipment	x	x	x
Alberta			
Total population	**189**	**25**	**26**
Building construction	21	24	26
Electrical, electronics and related trades	38	26	27
Food and service trades	x	x	x
Industrial and related mechanical trades	12	32	31
Metal fabricating trades	50	25	26
Motor vehicle and heavy equipment	53	23	25
Other trades	x	x	x

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: Apprentices for whom the age is unknown are excluded from this table.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.5.1

Distribution of certificate of apprenticeship holders by time spent in program, age group at registration and province, 1995 cohort

Province and age group	Certificate of apprenticeship holders	1 to 3 years	4 years	5 or 6 years	7 years or more
	number		percent		
All provinces					
All age groups	**14,888**	**25**	**23**	**39**	**13**
15 to 19 years	1,666	16	17	49	17
20 to 24 years	5,775	22	23	41	14
25 to 29 years	3,194	24	25	39	12
30 to 39 years	3,187	30	25	34	11
40 years and over	993	45	22	25	8
New Brunswick					
All age groups	**413**	**21**	**22**	**38**	**18**
15 to 19 years	26	x	x	42	31
20 to 24 years	173	15	23	42	20
25 to 29 years	99	20	23	39	17
30 to 39 years	76	25	16	39	20
40 years and over	32	53	31	x	x
Quebec (CCQ)					
All age groups	**1,035**	**16**	**16**	**37**	**32**
15 to 19 years	93	x	x	37	45
20 to 24 years	461	11	16	43	30
25 to 29 years	216	15	16	38	30
30 to 39 years	192	21	17	31	31
40 years and over	73	42	8	18	32
Ontario					
All age groups	**6,098**	**28**	**24**	**37**	**11**
15 to 19 years	708	19	18	49	14
20 to 24 years	2,451	26	24	38	13
25 to 29 years	1,277	28	24	37	11
30 to 39 years	1,248	33	26	32	10
40 years and over	413	46	26	23	5
Manitoba					
All age groups	**457**	**9**	**25**	**54**	**12**
15 to 19 years	50	x	16	68	x
20 to 24 years	187	6	25	57	12
25 to 29 years	105	x	25	58	x
30 to 39 years	89	18	30	43	9
40 years and over	19	x	37	32	x
Alberta					
All age groups	**4,108**	**29**	**23**	**35**	**13**
15 to 19 years	485	23	16	43	19
20 to 24 years	1,515	27	22	36	15
25 to 29 years	857	27	25	35	12
30 to 39 years	924	33	26	31	10
40 years and over	270	42	20	29	10
British Columbia					
All age groups	**2,777**	**19**	**25**	**48**	**8**
15 to 19 years	304	7	19	61	13
20 to 24 years	988	13	27	51	9
25 to 29 years	640	19	28	45	8
30 to 39 years	658	24	25	44	7
40 years and over	186	46	20	30	4

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Note: The age group totals in table may not sum up to the total population because of unknown age.

Source: Statistics Canada, Registered Apprenticeship Information System.

Table A.2.5.2

Distribution of certificate of apprenticeship holders by time spent in program, main trade and province, 1995 cohort

Province and main trade	Certificate of apprenticeship holders	1 to 3 years	4 years	5 or 6 years	7 years or more
	number		percent		
All provinces					
Total population	**14,888**	**25**	**23**	**39**	**13**
Building construction, total	**1,542**	**20**	**22**	**38**	**20**
Bricklayer	35	x	x	40	43
Building service technician	112	54	17	15	14
Cabinet maker	37	x	x	57	22
Carpenter	753	9	19	48	24
Cement finisher	28	57	x	x	x
Drywall mechanic	9	0	x	x	x
Floor covering installer	46	57	24	x	x
Glazier	21	x	33	43	x
Insulator installer heat and frost	21	x	33	29	x
Joiner	36	x	22	67	x
Lather (interior systems mechanic)	7	0	x	x	x
Native residential construction worker	31	19	45	35	0
Painter and decorator	97	9	30	33	28
Plasterer	34	x	x	35	41
Roofer	95	34	40	17	9
Sawfitter / benchman (lumber manufacturing)	56	80	11	x	x
Stone mason	16	94	x	x	0
Tile setter	10	x	0	x	70
Woodworker	8	x	x	x	x
Other	90	18	30	41	11
Electrical, electronics and related trades, total	**2,100**	**10**	**15**	**56**	**20**
Appliance service technician-serviceman	13	54	x	x	x
Construction electrician	1,614	6	12	61	22
Electrician (communications)	8	x	0	x	x
Industrial electrician	218	22	28	40	10
Powerline technician	48	x	x	58	21
Security alarms installer	85	27	21	32	20
Other	114	29	26	36	9
Food and service trades, total	**2,406**	**72**	**16**	**9**	**3**
Assistant cook	11	82	x	0	x
Baker	81	32	42	19	7
Barber	32	72	x	x	x
Cook	570	44	33	18	6
Hairdresser / hairstylist	1,623	86	8	5	1
Locksmith	11	x	0	55	x
Meat cutter	29	59	28	x	x
Other	49	35	37	x	x
Industrial and related mechanical trades, total	**1,453**	**13**	**25**	**48**	**13**
Boilermaker	19	x	x	47	32
Construction millwright	45	x	x	62	33
Fitter assembler	x	0	0	x	x
Industrial instrument mechanic	86	19	29	33	20
Industrial mechanic-millwright	686	10	30	50	10
Industrial plant operator	67	37	x	37	x
Refrigeration and air conditioning mechanic	348	10	18	56	16
Sawfiler	41	63	x	20	x
Other	x	x	x	x	x
Metal fabricating trades, total	**3,434**	**13**	**30**	**43**	**14**
Automatic machinist	8	x	x	x	x
Gasfitter	39	59	33	x	x
Gasfitter (domestic and commercial)	42	67	17	x	x
Ironworker	111	17	37	29	17
Machinist	470	11	29	50	10
Moulder and engraver	166	19	30	47	4
Plumber	553	6	20	57	17
Reinforcing steel erector	x	x	0	0	x

Table A.2.5.2 (continued)

Distribution of certificate of apprenticeship holders by time spent in program, main trade and province, 1995 cohort

Province and main trade	Certificate of apprenticeship holders	1 to 3 years	4 years	5 or 6 years	7 years or more
	number		percent		
Sheet metal worker	403	4	35	43	17
Sprinkler system installer	84	x	x	65	19
Steamfitter-pipefitter	313	8	12	53	27
Steel and plate worker	17	x	x	x	x
Steel fabricator	69	x	29	58	x
Tool and die maker	307	11	38	43	8
Welder	742	24	42	22	11
Other	108	14	22	51	13
Motor vehicle and heavy equipment, total	**3,738**	**20**	**26**	**42**	**12**
Agricultural equipment technician	57	16	16	58	11
Air-cooled and marine engine mechanic (small engines)	23	52	39	x	x
Aircraft maintenance technician	9	x	0	67	x
Automotive service technician	1,722	11	28	47	14
Crane and hoist operator	112	69	17	x	x
Heavy duty equipment mechanic technician	670	13	24	52	11
Heavy duty equipment operator	32	63	x	x	x
Mobile crane operator	59	37	17	27	19
Motor vehicle body repairer	239	12	28	47	13
Motor vehicle painter	56	89	x	x	0
Motor vehicle steering suspension and brakes mechanic	81	73	14	x	x
Motor vehicle transmission mechanic	12	x	58	x	x
Motorcycle repair mechanic	27	30	x	33	x
Partsperson (industrial engine and equipment)	126	29	43	19	9
Power shovel operator	58	38	17	16	29
Small equipment mechanic	17	59	x	0	x
Transport trailer technician	30	57	27	x	x
Truck and transport mechanic	264	6	24	57	13
Other	144	46	26	22	6
Other trades, total	**215**	**33**	**23**	**37**	**7**
Arborist (tree cutter)	19	47	x	37	x
Child and youth worker	16	x	94	x	0
Draftsman	11	x	0	73	x
Horticulture	11	x	x	x	x
Landscape gardener	62	x	18	58	x
Pool and spa installation and service technician	x	x	x	x	x
Other	x	x	x	x	x
New Brunswick					
Total population	**413**	**21**	**22**	**38**	**18**
Building construction, total	**35**	**x**	**x**	**51**	**29**
Carpenter	19	x	x	37	37
Other	16	x	x	69	x
Electrical, electronics and related trades, total	**68**	**9**	**10**	**49**	**32**
Construction electrician	49	x	x	49	39
Industrial electrician	x	x	x	x	x
Other	x	x	0	x	0
Food and service trades, total	**x**	**x**	**x**	**x**	**x**
Barber	21	76	x	x	0
Cook	26	31	x	42	x
Other	x	x	x	x	x
Industrial and related mechanical trades, total	**66**	**18**	**29**	**36**	**17**
Industrial mechanic-millwright	25	x	x	56	x
Other	41	17	41	24	17
Metal fabricating trades, total	**60**	**10**	**25**	**40**	**25**
Machinist	17	x	x	x	x
Plumber	9	x	0	78	x
Welder	13	x	x	x	x
Other	21	0	29	43	29

Table A.2.5.2 (continued)

Distribution of certificate of apprenticeship holders by time spent in program, main trade and province, 1995 cohort

Province and main trade	Certificate of apprenticeship holders	1 to 3 years	4 years	5 or 6 years	7 years or more
	number			percent	
Motor vehicle and heavy equipment, total	**111**	**23**	**24**	**41**	**13**
Automotive service technician	44	x	30	41	x
Motor vehicle body repairer	9	x	x	x	0
Motor vehicle steering suspension and brakes mechanic	19	58	x	x	x
Truck and transport mechanic	29	x	28	55	x
Other	10	x	x	x	x
Other trades, total	**x**	**x**	**x**	**x**	**x**
Quebec (CCQ)					
Total population	**1,035**	**16**	**16**	**37**	**32**
Building construction, total	**308**	**13**	**12**	**32**	**43**
Bricklayer	20	0	0	40	60
Carpenter	157	4	13	40	43
Cement finisher	13	x	x	x	x
Floor covering installer	13	77	x	x	0
Lather (interior systems mechanic)	x	x	x	x	x
Painter and decorator	38	x	x	32	66
Plasterer	14	x	x	0	93
Roofer	33	55	21	x	x
Tile setter	10	x	0	x	70
Other	x	0	x	x	0
Electrical, electronics and related trades, total	**347**	**16**	**21**	**37**	**25**
Construction electrician	162	x	x	47	44
Industrial electrician	100	33	40	27	0
Security alarms installer	85	27	21	32	20
Industrial and related mechanical trades, total	**86**	**7**	**19**	**53**	**21**
Industrial mechanic-millwright	9	x	x	x	x
Refrigeration and air conditioning mechanic	67	x	x	51	22
Other	10	x	0	80	x
Metal fabricating trades, total	**192**	**7**	**11**	**49**	**33**
Ironworker	17	x	x	x	x
Sheet metal worker	36	x	19	58	x
Sprinkler system installer	28	x	x	71	25
Steamfitter-pipefitter	100	x	x	46	41
Other	11	x	x	x	x
Motor vehicle and heavy equipment, total	**102**	**45**	**16**	**15**	**25**
Crane and hoist operator	x	x	x	x	x
Heavy duty equipment operator	32	63	x	x	x
Power shovel operator	58	38	17	16	29
Other	x	0	x	0	x
Ontario					
Total population	**6,098**	**28**	**24**	**37**	**11**
Building construction, total	**331**	**36**	**21**	**25**	**19**
Bricklayer	x	x	0	x	x
Building service technician	112	54	17	15	14
Carpenter	110	21	16	33	30
Drywall mechanic	9	0	x	x	x
Floor covering installer	6	x	x	0	x
Glazier	x	0	x	x	x
Native residential construction worker	31	19	45	35	0
Painter and decorator	x	x	0	x	0
Plasterer	x	0	x	x	0
Roofer	11	x	55	0	x
Stone mason	16	94	x	x	0
Woodworker	8	x	x	x	x
Other	15	47	x	x	x

Table A.2.5.2 (continued)

Distribution of certificate of apprenticeship holders by time spent in program, main trade and province, 1995 cohort

Province and main trade	Certificate of apprenticeship holders	1 to 3 years	4 years	5 or 6 years	7 years or more
	number		percent		
Electrical, electronics and related trades, total	**737**	**10**	**11**	**60**	**19**
Appliance service technician-serviceman	13	54	x	x	x
Construction electrician	572	6	10	64	20
Industrial electrician	103	12	16	54	18
Powerline technician	22	x	0	73	x
Other	27	44	x	22	x
Food and service trades, total	**1,343**	**77**	**13**	**8**	**2**
Assistant cook	11	82	x	0	x
Baker	13	54	x	x	x
Cook	240	41	33	19	7
Hairdresser / hairstylist	1,055	86	8	5	1
Meat cutter	13	69	x	0	x
Other	11	x	x	x	x
Industrial and related mechanical trades, total	**668**	**14**	**29**	**46**	**12**
Construction millwright	45	x	x	62	33
Fitter assembler	x	0	0	x	x
Industrial mechanic-millwright	322	11	36	43	10
Industrial plant operator	67	37	x	37	x
Refrigeration and air conditioning mechanic	172	12	21	52	15
Sawfiler	14	x	x	43	x
Other	x	x	x	x	x
Metal fabricating trades, total	**1,393**	**9**	**35**	**44**	**12**
Automatic machinist	8	x	x	x	x
Ironworker	52	x	56	35	x
Machinist	260	13	32	44	11
Moulder and engraver	166	19	30	47	4
Plumber	204	5	25	50	20
Reinforcing steel erector	x	x	0	0	x
Sheet metal worker	249	4	48	34	14
Sprinkler system installer	21	0	x	57	x
Steamfitter-pipefitter	75	x	x	64	19
Steel and plate worker	17	x	x	x	x
Tool and die maker	307	11	38	43	8
Welder	24	x	54	25	x
Other	x	x	x	x	x
Motor vehicle and heavy equipment, total	**1,537**	**16**	**27**	**44**	**14**
Agricultural equipment technician	25	x	x	68	x
Air-cooled and marine engine mechanic (small engines)	23	52	39	x	x
Automotive service technician	981	11	29	46	14
Heavy duty equipment mechanic technician	87	13	16	57	14
Mobile crane operator	59	37	17	27	19
Motor vehicle body repairer	74	9	35	42	14
Motor vehicle painter	8	x	x	x	0
Motor vehicle steering suspension and brakes mechanic	44	75	16	x	x
Motor vehicle transmission mechanic	12	x	58	x	x
Motorcycle repair mechanic	10	x	x	x	x
Small equipment mechanic	17	59	x	0	x
Transport trailer technician	30	57	27	x	x
Truck and transport mechanic	159	5	21	60	14
Other	8	x	x	0	x
Other trades, total	**89**	**35**	**28**	**28**	**9**
Arborist (tree cutter)	19	47	x	37	x
Child and youth worker	16	x	94	x	0
Draftsman	11	x	0	73	x
Horticulture	11	x	x	x	x
Landscape gardener	17	53	x	x	x
Pool and spa installation and service technician	x	x	0	0	x
Other	x	x	x	x	x

Table A.2.5.2 (continued)

Distribution of certificate of apprenticeship holders by time spent in program, main trade and province, 1995 cohort

Province and main trade	Certificate of apprenticeship holders	1 to 3 years	4 years	5 or 6 years	7 years or more
	number		percent		
Manitoba					
Total population	**457**	**9**	**25**	**54**	**12**
Building construction, total	**39**	**x**	**33**	**41**	**x**
Carpenter	33	x	30	45	x
Other	6	x	x	x	x
Electrical, electronics and related trades, total	**92**	**x**	**x**	**61**	**22**
Construction electrician	84	x	x	61	23
Other	8	0	x	x	x
Food and service trades, total	**x**	**x**	**x**	**x**	**x**
Industrial and related mechanical trades, total	**39**	**x**	**26**	**56**	**x**
Industrial mechanic-millwright	23	x	35	52	x
Other	16	x	x	63	x
Metal fabricating trades, total	**84**	**12**	**18**	**63**	**7**
Machinist	17	x	35	x	x
Plumber	33	x	x	82	x
Other	34	x	21	62	x
Motor vehicle and heavy equipment, total	**187**	**6**	**34**	**52**	**8**
Aircraft maintenance technician	x	x	x	x	x
Automotive service technician	69	0	46	43	10
Heavy duty equipment mechanic technician	88	x	27	61	x
Motor vehicle body repairer	17	x	41	41	x
Other	x	x	0	x	x
Other trades, total	**x**	**x**	**x**	**x**	**x**
Alberta					
Total population	**4,108**	**29**	**23**	**35**	**13**
Building construction, total	**301**	**19**	**22**	**41**	**18**
Cabinet maker	37	x	x	57	22
Carpenter	159	10	16	53	21
Cement finisher	15	87	x	x	0
Floor covering installer	15	67	x	x	x
Insulator installer heat and frost	21	x	33	29	x
Painter and decorator	19	x	63	x	x
Roofer	11	x	x	x	x
Other	24	x	29	42	x
Electrical, electronics and related trades, total	**412**	**9**	**17**	**52**	**22**
Construction electrician	341	6	15	56	23
Electrician (communications)	8	x	0	x	x
Powerline technician	26	x	x	46	27
Other	37	32	32	x	x
Food and service trades, total	**746**	**75**	**13**	**9**	**3**
Baker	45	31	38	x	x
Cook	164	50	25	18	7
Hairdresser / hairstylist	526	87	7	4	2
Locksmith	11	x	0	55	x
Industrial and related mechanical trades, total	**369**	**12**	**23**	**49**	**17**
Boilermaker	19	x	x	47	32
Industrial instrument mechanic	86	19	29	33	20
Industrial mechanic-millwright	181	10	22	53	14
Refrigeration and air conditioning mechanic	60	x	x	63	18
Other	23	x	39	43	x
Metal fabricating trades, total	**1,171**	**21**	**32**	**33**	**15**
Gasfitter	39	59	33	x	x
Ironworker	27	48	26	x	x
Machinist	108	x	23	62	x

Table A.2.5.2 (continued)

Distribution of certificate of apprenticeship holders by time spent in program, main trade and province, 1995 cohort

Province and main trade	Certificate of apprenticeship holders	1 to 3 years	4 years	5 or 6 years	7 years or more
	number		percent		
Plumber	110	5	11	55	28
Sheet metal worker	54	x	x	56	39
Steamfitter-pipefitter	116	16	14	47	22
Steel fabricator	20	x	65	x	x
Welder	683	25	41	23	11
Other	14	x	x	64	x
Motor vehicle and heavy equipment, total	**1,076**	**23**	**23**	**41**	**14**
Agricultural equipment technician	32	25	x	50	x
Automotive service technician	344	12	19	49	19
Crane and hoist operator	104	70	18	x	x
Heavy duty equipment mechanic technician	374	17	24	45	14
Motor vehicle body repairer	76	16	17	54	13
Motorcycle repair mechanic	17	x	x	47	x
Partsperson (industrial engine and equipment)	103	29	41	19	11
Other	26	65	23	x	x
Other trades, total	**33**	**x**	**33**	**52**	**x**
Landscape gardener	26	x	27	62	x
Other	7	x	x	x	x
British Columbia					
Total population	**2,777**	**19**	**25**	**48**	**8**
Building construction, total	**528**	**16**	**28**	**47**	**9**
Bricklayer	10	x	x	x	x
Carpenter	275	7	23	58	12
Floor covering installer	12	x	50	x	x
Glazier	17	x	35	47	x
Joiner	36	x	22	67	x
Painter and decorator	38	x	45	45	x
Plasterer	18	x	x	61	x
Roofer	40	x	53	25	x
Sawfitter / benchman (lumber manufacturing)	56	80	11	x	x
Other	26	x	42	38	x
Electrical, electronics and related trades, total	**444**	**8**	**15**	**65**	**12**
Construction electrician	406	6	14	67	13
Other	38	x	29	42	x
Food and service trades, total	**245**	**46**	**42**	**10**	**3**
Baker	23	x	61	x	0
Barber	11	64	0	x	x
Cook	127	39	47	x	x
Hairdresser / hairstylist	42	64	29	x	x
Meat cutter	16	50	44	x	x
Other	26	58	35	x	x
Industrial and related mechanical trades, total	**225**	**16**	**20**	**55**	**9**
Industrial mechanic-millwright	126	x	29	61	x
Refrigeration and air conditioning mechanic	49	12	x	69	x
Sawfiler	27	93	x	x	0
Other	23	0	26	43	30
Metal fabricating trades, total	**534**	**12**	**23**	**55**	**9**
Gasfitter (domestic and commercial)	42	67	17	x	x
Ironworker	15	x	x	x	40
Machinist	68	10	25	65	0
Plumber	197	7	23	60	9
Sheet metal worker	64	x	23	59	x
Sprinkler system installer	35	x	20	66	x
Steamfitter-pipefitter	22	x	x	77	x
Steel fabricator	49	0	14	73	12
Welder	22	27	55	x	x
Other	20	x	40	35	x

Table A.2.5.2 (concluded)

Distribution of certificate of apprenticeship holders by time spent in program, main trade and province, 1995 cohort

Province and main trade	Certificate of apprenticeship holders	1 to 3 years	4 years	5 or 6 years	7 years or more
	number	percent			
Motor vehicle and heavy equipment, total	**725**	**22**	**29**	**42**	**7**
Automotive service technician	284	12	33	48	7
Heavy duty equipment mechanic technician	121	7	25	62	7
Motor vehicle body repairer	63	11	29	46	14
Motor vehicle painter	48	96	x	x	0
Motor vehicle steering suspension and brakes mechanic	18	83	x	x	0
Partsperson (industrial engine and equipment)	23	30	52	x	x
Truck and transport mechanic	76	x	29	53	x
Other	92	43	29	x	x
Other trades, total	**76**	**33**	**x**	**46**	**x**
Landscape gardener	19	x	x	89	0
Other	57	42	x	32	x

x suppressed to meet the confidentiality requirements of the *Statistics Act*

Source: Statistics Canada, Registered Apprenticeship Information System.

Appendix 3

List of trades by province, 1994 to 2004 and 1995 to 2005 cohorts

New Brunswick

Building construction
- Bricklayer
- Cabinet maker
- **Carpenter**
- Insulator installer heat and frost
- Painter and decorator
- Roofer

Electricity, electronics and related trades
- Appliance service technician-serviceman
- **Construction electrician**
- Electric motor winder
- Electrical mechanic
- **Industrial electrician**
- Power system operator
- Powerline technician

Food and service trades
- **Barber**
- **Cook**
- Firefighter

Industrial and related mechanical trades
- Boilermaker
- Construction millwright
- Industrial instrument mechanic
- Engineering assistant – architecture and engineer technician
- **Industrial mechanic-millwright**
- Oil burner mechanic
- Production equipment mechanic
- Refrigeration and air conditioning mechanic
- Stationary engineer (all classes)

Metal fabricating trades
- **Machinist**
- **Plumber**
- Sheet metal worker
- Sprinkler system installer
- Steamfitter-pipefitter
- Steel fabricator
- **Welder**

Motor vehicle and heavy equipment
- **Automotive service technician**
- Heavy duty equipment mechanic technician
- **Motor vehicle body repairer**
- Motor vehicle fuel and electronics systems mechanic
- **Motor vehicle steering suspension and brakes mechanic**
- Motor vehicle transmission mechanic
- Small equipment mechanic
- Transport trailer technician
- **Truck and transport mechanic**
- Water well driller

Other trades
- Staker-detailer
- Survey technician

Quebec (CCQ)

Building construction
- **Bricklayer**
- **Carpenter**
- **Cement finisher**
- **Floor covering installer**
- Insulator installer heat and frost
- **Lather (interior systems mechanic)**
- **Painter and decorator**
- **Plasterer**
- **Roofer**
- **Tile setter**

Electricity, electronics and related trades
- **Construction electrician**
- **Industrial electrician**
- **Security alarms installer**

Industrial and related mechanical trades
- Boilermaker
- Elevator mechanic
- **Industrial mechanic-millwright**
- **Refrigeration and air conditioning mechanic**

Metal fabricating trades
- **Ironworker**
- **Reinforcing steel erector**
- **Sheet metal worker**
- **Sprinkler system installer**
- **Steamfitter-pipefitter**
- Steel and plate worker

Motor vehicle and heavy equipment
- **Crane and hoist operator**
- Heavy duty equipment mechanic technician
- **Heavy duty equipment operator**
- **Power shovel operator**

Ontario

Building construction
- **Bricklayer**
- **Building service technician**
- Cabinet maker
- **Carpenter**
- **Cement finisher**
- **Drywall mechanic**
- **Floor covering installer**
- **Glazier**
- Insulator installer heat and frost
- Lather (interior systems mechanic)

List of trades by province, 1994 to 2004 and 1995 to 2005 cohorts (continued)

Native residential construction worker
Painter and decorator
Plasterer
Roofer
Stone mason
Tile setter
Woodworker

Electricity, electronics and related trades
Appliance service technician-serviceman
Construction electrician
Electric metering
Electric motor winder
Electrical mechanic
Electrician (domestic and rural)
Electrician (powerhouse operator)
Electronics industrial
Electronics technician
Electronics technician (consumer products)
Industrial electrician
Power maintenance electrician
Powerline technician
Sewing machine mechanic

Food and service trades
Assistant cook
Baker
Butcher
Cook
Dressmaker
Gunsmith
Hairdresser / hairstylist
Jeweller watchmaker
Locksmith
Meat cutter
Optical technician
Orthopaedic shoe technician
Tailor
Upholsterer

Industrial and related mechanical trades
Boilermaker
Construction millwright
Control mechanic (except electrical)
Fitter assembler
Gasfitter
Industrial instrument mechanic
Industrial mechanic-millwright
Industrial plant operator
Machine repair mechanic (equipment)
Mechanical fitter
Oil burner mechanic
Pipeline maintenance mechanic
Refrigeration and air conditioning mechanic
Sawfiler

Metal fabricating trades
Automatic machinist
Ironworker
Machinist
Moulder and engraver
Patternmaking
Plumber
Reinforcing steel erector
Sheet metal worker
Sprinkler system installer
Steamfitter-pipefitter
Steel and plate worker
Tool and die maker
Welder

Motor vehicle and heavy equipment
Agricultural equipment technician
Air-cooled and marine engine mechanic (small engines)
Aircraft maintenance technician
Automotive radiator manufacturing and repair
Automotive service technician
Heavy duty equipment mechanic technician
Hoisting engineer – tower crane
Mobile crane operator
Motor vehicle body repairer
Motor vehicle fuel and electronics systems mechanic
Motor vehicle painter
Motor vehicle steering suspension and brakes mechanic
Motor vehicle transmission mechanic
Motorcycle repair mechanic
Partsperson (automotive, industrial engine and equipment)
Small equipment mechanic
Transport trailer technician
Truck and transport mechanic
Water well driller

Other trades
Arborist (tree cutter)
Boatbuilding
Child and youth worker
Draftsman
Early childhood educator
Horticulture
Landscape gardener
Plastics technician
Pool and spa installation and service technician
Printer – pressman – letterpress
Taxidermist

Manitoba

Building construction
Bricklayer
Cabinetmaker
Carpenter
Drywall mechanic
Lather (interior systems mechanic)
Painter and decorator
Roofer

Electricity, electronics and related trades
Construction electrician
Electric motor winder
Industrial electrician
Power electrician

Food and service trades
Cook

Industrial and related mechanical trades
Boilermaker
Industrial instrument mechanic
Industrial mechanic-millwright
Refrigeration and air conditioning mechanic

Metal fabricating trades
Machinist
Plumber
Sheet metal worker
Sprinkler system installer
Steamfitter-pipefitter
Tool and die maker
Welder

List of trades by province, 1994 to 2004 and 1995 to 2005 cohorts (continued)

Motor vehicle and heavy equipment
- **Aircraft maintenance technician**
- **Automotive service technician**
- **Heavy duty equipment mechanic technician**
- **Motor vehicle body repairer**
- Motor vehicle painter
- Partsperson (automotive, industrial engine and equipment)

Other trades
- Landscape gardener

Alberta

Building construction
- Bricklayer
- **Cabinet maker**
- **Carpenter**
- **Cement finisher**
- **Floor covering installer**
- Glazier
- **Insulator installer heat and frost**
- Lather (interior systems mechanic)
- **Painter and decorator**
- **Roofer**
- Tile setter

Electricity, electronics and related trades
- **Appliance service technician-serviceman**
- **Construction electrician**
- Electric motor winder
- **Electrician (communications)**
- **Electronics technician (consumer products)**
- Power system electrician
- **Powerline technician**

Food and service trades
- **Baker**
- **Cook**
- Graphic arts
- **Hairdresser / hairstylist**
- **Locksmith**

Industrial and related mechanical trades
- **Boilermaker**
- Elevator constructor
- **Industrial instrument mechanic**
- **Industrial mechanic-millwright**
- **Refrigeration and air conditioning mechanic**
- Sawfiler
- Transport refrigeration mechanic

Metal fabricating trades
- **Gasfitter**
- **Ironworker**
- **Machinist**
- **Plumber**
- **Sheet metal worker**
- Sprinkler system installer
- **Steamfitter-pipefitter**
- **Steel fabricator**
- **Welder**

Motor vehicle and heavy equipment
- **Agricultural equipment technician**
- **Automotive service technician**
- **Crane and hoist operator**
- **Heavy duty equipment mechanic technician**
- **Motor vehicle body repairer**
- **Motorcycle repair mechanic**
- **Partsperson (automotive, industrial engine and equipment)**
- **Recreation vehicle mechanic**
- Water well driller

Other trades
- **Landscape gardener**

British Columbia

Building construction
- **Bricklayer**
- Cabinetmaker
- **Carpenter**
- Cement finisher
- **Drywall installer**
- **Floor covering installer**
- **Glazier**
- Insulator installer heat and frost
- **Joiner**
- **Painter and decorator**
- **Plasterer**
- **Roofer**
- **Sawfitter / benchman (lumber manufacturing)**
- Tile setter

Electricity, electronics and related trades
- Appliance service technician-serviceman
- Cableman
- **Construction electrician**
- Electric metering
- Electric motor winder
- Electronics technician
- Electronics telecontrol technician
- Office machine mechanic
- Powerline technician
- Security alarms installer

Food and service trades
- **Baker**
- **Barber**
- **Cook**
- Florist
- Funeral directing and embalming
- Graphic arts
- **Hairdresser / hairstylist**
- Jewellery manufacture and repair
- Locksmith
- **Meat cutter**
- Optical technician
- Sign painter
- Upholsterer

Industrial and related mechanical trades
- **Boilermaker**
- Industrial instrument mechanic
- **Industrial mechanic-millwright**
- Oil burner mechanic
- **Refrigeration and air conditioning mechanic**
- **Sawfiler**
- Transport refrigeration mechanic

Metal fabricating trades
- Cladding
- **Gasfitter (domestic and commercial)**
- **Ironworker**
- **Machinist**
- Motor vehicle machinist
- Moulder and engraver
- Patternmaking
- Plater
- **Plumber**

List of trades by province, 1994 to 2004 and 1995 to 2005 cohorts (concluded)

Roll turner
Sheet metal worker
Ship fitter
Sprinkler system installer
Steamfitter-pipefitter
Steel fabricator
Tool and die maker
Welder

Motor vehicle and heavy equipment
Agricultural equipment technician
Air-cooled and marine engine mechanic (small engines)
Aircraft maintenance technician
Automotive glass installation
Automotive radiator manufacturing and repair
Automotive service technician
Automotive trimming
Diesel engine mechanic
Heavy duty equipment mechanic technician
Inboard-outboard mechanical repair
Mobile crane operator
Motor vehicle body repairer
Motor vehicle fuel and electronics systems mechanic
Motor vehicle painter
Motor vehicle steering suspension and brakes mechanic
Motor vehicle transmission mechanic
Motorcycle repair mechanic
Partsperson (automotive, industrial engine and equipment)
Piledriver and bridgeman
Recreation vehicle mechanic
Service station mechanic
Transport trailer technician
Truck and transport mechanic
Water well driller

Other trades
Boatbuilding
Bookbinder (finisher)
Carman (railway)
Distribution systems dispatcher
Draftsman
Glassblower
Horticulture
Industrial warehouseman
Landscape gardener
Marine engineer
Planerman
Printer – pressman – letterpress
Printer, other
Springmaker

Note: The trades that are in bold represent the main trades in the appropriate province. The minimum number of apprentices required to be a main trade was 25.

Culture, Tourism and the Centre for Education Statistics

Research Papers

Cumulative index

Statistics Canada's **Division of Culture, Tourism and the Centre for Education Statistics** develops surveys, provides statistics and conducts research and analysis relevant to current issues in its three areas of responsibility.

The **Culture Statistics Program** creates and disseminates timely and comprehensive information on the culture sector in Canada. The program manages a dozen regular census surveys and databanks to produce data that support policy decision and program management requirements. Issues include the economic impact of culture, the consumption of culture goods and services, government, personal and corporate spending on culture, the culture labour market, and international trade of culture goods and services. Analysis is also published in *Focus on Culture* (87-004-XIE, free, http://www.statcan.ca/bsolc/english/bsolc?catno=87-004-X).

The **Tourism Statistics Program** provides information on domestic and international tourism. The program covers the Canadian Travel Survey and the International Travel Survey. Together, these surveys shed light on the volume and characteristics of trips and travellers to, from and within Canada.

The **Centre for Education Statistics** develops and delivers a comprehensive program of pan-Canadian education statistics and analysis in order to support policy decisions and program management, and to ensure that accurate and relevant information concerning education is available to the Canadian public and to other educational stakeholders. The Centre conducts fifteen institutional and over ten household education surveys. Analysis is also published in *Education Matters* (81-004-XIE, free, http://www.statcan.ca/bsolc/english/bsolc?catno=81-004-X), and in the *Analytical Studies Branch research paper series* (11F0019MIE, free, http://www.statcan.ca/bsolc/english/bsolc?catno=11F0019M).

Following is a cumulative index of Culture, Tourism and the Centre for Education Statistics research papers published to date

Research papers

81-595-M no. 001	Understanding the rural-urban reading gap
81-595-M no. 002	Canadian education and training services abroad: the role of contracts funded by international financial institution
81-595-M No. 003	Finding their way: a profile of young Canadian graduates
81-595-M No. 004	Learning, earning and leaving – The relationship between working while in high school and dropping out
81-595-M No. 005	Linking provincial student assessments with national and international assessments
81-595-M No. 006	Who goes to post-secondary education and when: Pathways chosen by 20 year-olds
81-595-M No. 007	Access, persistence and financing: First results from the Postsecondary Education Participation Survey (PEPS)
81-595-M No. 008	The labour market impacts of adult education and training in Canada
81-595-M No. 009	Issues in the design of Canada's Adult Education and Training Survey
81-595-M No. 010	Planning and preparation: First results from the Survey of Approaches to Educational Planning (SAEP) 2002
81-595-M No. 011	A new understanding of postsecondary education in Canada: A discussion paper
81-595-M No. 012	Variation in literacy skills among Canadian provinces: Findings from the OECD PISA
81-595-M No. 013	Salaries and salary scales of full-time teaching staff at Canadian universities, 2001-2002: final report
81-595-M No. 014	In and out of high school: First results from the second cycle of the Youth in Transition Survey, 2002
81-595-M No. 015	Working and Training: First Results of the 2003 Adult Education and Training Survey
81-595-M No. 016	Class of 2000: Profile of Postsecondary Graduates and Student Debt
81-595-M No. 017	Connectivity and ICT integration in Canadian elementary and secondary schools: First results from the Information and Communications Technologies in Schools Survey, 2003-2004
81-595-M No. 018	Education and Labour Market Pathways of Young Canadians Between age 20 and 22: an Overview
81-595-M No. 019	Salaries and salary scales of full-time teaching staff at Canadian universities, 2003-2004

Following is a cumulative index of Culture, Tourism and the Centre for Education Statistics research papers published to date

Research papers

81-595-M No. 020	Culture Goods Trade Estimates: Methodology and Technical Notes
81-595-M No. 021	Canadian Framework for Culture Statistics
81-595-M No. 022	Summary public school indicators for the provinces and territories, 1996-1997 to 2002-2003
81-595-M No. 023	Economic Contribution of Culture in Canada
81-595-M No. 024	Economic Contributions of the Culture Sector in Ontario
81-595-M No. 025	Economic Contribution of the Culture Sector in Canada – A Provincial Perspective
81-595-M No. 026	Who pursues postsecondary education, who leaves and why: Results from the Youth in Transition Survey
81-595-M No. 027	Salaries and salary scales of full-time teaching staff at Canadian universities, 2002-2003: final report
81-595-M No. 028	Canadian School Libraries and Teacher-Librarians: Results from the 2003/04 Information and Communications Technologies in Schools Survey
81-595-M No. 029	Manitoba Postsecondary Graduates from the Class of 2000: How Did They Fare?
81-595-M No. 030	Salaries and Salary Scales of Full-time teaching Staff at Canadian Universities, 2004-2005: Preliminary Report
81-595-M No. 031	Salaries and salary scales of full-time teaching staff at Canadian universities, 2003-2004: final report
81-595-M No. 032	Survey of Earned Doctorates: A Profile of Doctoral Degree Recipients
81-595-M No. 033	The Education Services Industry in Canada
81-595-M No. 034	Connectivity and ICT Integration in First Nations Schools: Results from the Information and Communications Technologies in Schools Survey, 2003/04
81-595-M No. 035	Registered Apprentices: A Class Ten Years Later
81-595-M No. 036	Participation in Postsecondary Education: Evidence from the Survey of Labour Income Dynamics
81-595-M No. 037	Economic Contribution of the Culture sector to Canada's Provinces
81-595-M No. 038	Profile of Selected Culture Industries in Ontario
81-595-M No. 039	Factors Affecting the Repayment of Student Loans
81-595-M No. 040	Culture Goods Trade Data User Guide
81-595-M No. 041	Health Human Resources and Education: Outlining Information Needs

Following is a cumulative index of Culture, Tourism and the Centre for Education Statistics research papers published to date

Research papers

81-595-M No. 042	How Students Fund Their Postsecondary Education: Findings from the Postsecondary Education Participation Survey
81-595-M No. 043	Educational Outcomes at Age 19 Associated with Reading Ability at Age 15
81-595-M No. 044	Summary Public School Indicators for the Provinces and Territories, 1997-1998 to 2003-2004
81-595-M No. 045	Follow-up on Education and Labour Market Pathways of Young Canadians Aged 18 to 20 – Results from YITS Cycle 3
81-595-M No. 046	Salaries and Salary Scales of Full-time Teaching Staff at Canadian Universities, 2005/2006: Preliminary Report
81-595-M No. 047	Canada Student Loans Repayment Assistance: Who Does and Does Not Use Interest Relief?
81-595-M No. 048	Salaries and Salary Scales of Full-time Teaching Staff at Canadian Universities, 2004/2005: Final Report
81-595-M No. 049	Educating Health Workers: A Statistical Portrait
81-595-M No. 050	Summary Public School Indicators for the Provinces and Territories, 1997-1998 to 2003-2004
81-595-M No. 051	Culture Employment in a North American Context
81-595-M No. 052	Salaries and Salary Scales of Full-time Teaching Staff at Canadian Universities, 2006/2007: Preliminary Report
81-595-M No. 053	Towards a Geography of Culture: Culture Occupations Across the Canadian Urban-Rural Divide
81-595-M No. 054	Education-to-Labour Market Pathways of Canadian Youth: Findings from the Youth in Transition Survey
81-595-M No. 055	High School Dropouts Returning to School
81-595-M No. 056	Trade in Culture Services A Handbook of Concepts and Methods
81-595-M No. 057	Educational Outcomes at Age 19 by Gender and Parental Income: A First Look at Provincial differences
81-595-M No. 058	Postsecondary Enrolment Trends to 2031: Three Scenarios
81-595-M No. 059	Participation in Postsecondary Education: Graduates, Continuers and Drop Outs, Results from YITS Cycle 4
81-595-M No. 060	Sport Participation in Canada, 2005
81-595-M No. 061	Salaries and Salary Scales of Full-time Teaching Staff at Canadian Universities, 2005/2006: Final Report

Following is a cumulative index of Culture, Tourism and the Centre for Education Statistics research papers published to date

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81-595-M No. 062	Salaries and Salary Scales of Full-time Teaching Staff at Canadian Universities, 2007/2008: Preliminary Report
81-595-M No. 063	Registered Apprentices: The Cohort of 1993, a Decade Later, Comparisons with the 1992 Cohort
81-595-M No. 064	Creative Input: The Role of Culture Occupations in the Economy During the 1990s
81-595-M No. 065	Doctoral Graduates in Canada: Findings from the Survey of Earned Doctorates, 2004/2005
81-595-M No. 066	Understanding Culture Consumption in Canada
81-595-M No. 067	Summary Public School Indicators for the Provinces and Territories, 1999/2000 to 2005/2006
81-595-M No. 068	Educating Health Workers: Provincial Results
81-595-M No. 069	Doctorate Education in Canada: Findings from the Survey of Earned Doctorates, 2005/2006
81-595-M No. 070	Postsecondary Education – Participation and Dropping Out: Differences Across University, College and Other Types of Postsecondary Institutions
81-595-M No. 071	Statistics Canada's Definition and Classification of Postsecondary and Adult Education Providers in Canada
81-595-M No. 072	Moving Through, Moving On: Persistence in Postsecondary Education in Atlantic Canada, Evidence from the PSIS
81-595-M No. 073	Salaries and Salary Scales of Full-time Teaching Staff at Canadian Universities, 2006/2007: Final Report
81-595-M No. 074	Graduating in Canada: Profile, Labour Market Outcomes and Student Debt of the Class of 2005
81-595-M No. 075	Education and Labour Market Transitions in Young Adulthood
81-595-M No. 076	Salaries and Salary Scales of Full-time Teaching Staff at Canadian Universities, 2008/2009: Preliminary Report
81-595-M No. 077	Developing a Culture Satellite Account for Canada
81-595-M No. 078	Summary Public School Indicators for the Provinces and Territories, 2000/2001 to 2006/2007
81-595-M No. 079	Lifelong Learning Among Canadians Aged 18 to 64 Years: First Results from the 2008 Access and Support to Education and Training Survey
81-595-M No. 080	Registered Apprentices: The Cohorts of 1994 and 1995, One Decade Later